GenCore version 5.1.3

OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 16:30:47 ; Search time 35.6625 Seconds
(without alignments)
10706.274 Million cell updates/sec

Title: US-09-708-724A-1
Perfect score: 1245
Sequence: 1 atgggaccctggtcagtggt.....ccaggaagcgggctgagtag 1245

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	40.6	3.3	1281	4	US-09-082-092-8	Sequence 8, Appli
	2	40.6	3.3	1876	4	US-09-082-092-5	Sequence 5, Appli
	3	40.6	3.3	3103	3	US-08-826-246-3	Sequence 3, Appli
	4	40.6	3.3	3103	3	US-08-944-495-3	Sequence 3, Appli
	5	40.6	3.3	3103	3	US-09-126-640-2	Sequence 2, Appli
	6	40.6	3.3	3103	4	US-08-925-588-3	Sequence 3, Appli
	7	40.6	3.3	3103	4	US-09-288-292A-2	Sequence 2, Appli
	8	40.6	3.3	3111	3	US-09-487-444-3	Sequence 3, Appli
c	9	39.4	3.2	4411529	4	US-09-103-840A-1	Sequence 1, Appli
c	10	39.2	3.1	7218	1	US-08-232-463-14	Sequence 14, Appl
	11	38.6	3.1	195	2	US-08-791-347-7	Sequence 7, Appli
	12	38.6	3.1	195	2	US-08-791-347-8	Sequence 8, Appli
	13	38.6	3.1	195	2	US-08-748-479-5	Sequence 5, Appli
	14	38.6	3.1	195	2	US-08-748-479-6	Sequence 6, Appli
	15	38.6	3.1	195	4	US-08-822-999-11	Sequence 11, Appl
	16	38.6	3.1	195	4	US-08-822-999-12	Sequence 12, Appl
	17	38.6	3.1	1491	1	US-08-336-235A-3	Sequence 3, Appli
	18	38.6	3.1	1491	1	US-08-649-432-3	Sequence 3, Appli
	19	38.6	3.1	1491	5	PCT-US95-14024-3	Sequence 3, Appli
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	22	38.6	3.1	1512	2	US-08-882-238A-3	Sequence 3, Appli
	23	38.6	3.1	1512	2	US-08-667-790A-3	Sequence 3, Appli
	24	38.6	3.1	1512	3	US-09-220-459-3	Sequence 3, Appli
	25	38.6	3.1	1512	4	US-08-546-568B-3	Sequence 3, Appli
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	28	38.6	3.1	1548	4	US-08-938-669A-26	Sequence 26, Appl
	29	38.6	3.1	1968	5	PCT-US95-14024-2	Sequence 2, Appli
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	33	38.6	3.1	1999	2	US-08-645-900A-2	Sequence 2, Appli
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	35	38.6	3.1	1999	2	US-08-667-790A-2	Sequence 2, Appli
	36	38.6	3.1	1999	3	US-09-220-459-2	Sequence 2, Appli
	37	38.6	3.1	1999	4	US-08-546-568B-2	Sequence 2, Appli
	38	38.6	3.1	2000	4	US-09-056-285A-3	Sequence 3, Appli
	39	38.6	3.1	2099	4	US-08-938-669A-5	Sequence 5, Appli
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	42	37.4	3.0	1281	3	US-09-063-893A-1	Sequence 1, Appli
	43	37.4	3.0	1281	4	US-09-082-092-7	Sequence 7, Appli
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c	45	37.4	3.0	2065	3	US-08-335-865J-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1
US-09-082-092-8
; Sequence 8, Application US/09082092
; Patent No. 6251628
; GENERAL INFORMATION:
; APPLICANT: Nakao, Atsuhito
; APPLICANT: Moren, Anita
; APPLICANT: Heuchel, Rainer
; APPLICANT: Itoh, Susumu
; APPLICANT: Afrakhte, Mozghan
; APPLICANT: Souchelnytskyi, Serhiy
; APPLICANT: Brodin, Greger
; APPLICANT: Landstrom, Marene
; APPLICANT: Heldin, Nils-Erik
; APPLICANT: Heldin, Carl-Henrik
; APPLICANT: ten Dijke, Peter
; TITLE OF INVENTION: SMAD7 AND USES THEREOF
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02210-2211
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/082,092
; FILING DATE: 20-MAY-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/047,221
; FILING DATE: 20-MAY-1997
; APPLICATION NUMBER: 60/060,465
; FILING DATE: 30-SEP-1997
; APPLICATION NUMBER: 60/075,940
; FILING DATE: 25-FEB-1998
; APPLICATION NUMBER: 60/077,033
; FILING DATE: 06-MAR-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Van Amsterdam, John R.
; REGISTRATION NUMBER: 40,212
; REFERENCE/DOCKET NUMBER: L0461/7032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-720-3500
; TELEFAX: 617-720-2441

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;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1281 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-082-092-8

  Query Match             3.3%;  Score 40.6;  DB 4;  Length 1281;
  Best Local Similarity   73.8%;  Pred. No. 0.036;
  Matches   79;  Conservative    0;  Mismatches   24;  Indels    4;  Gaps    2;

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Db     339 GGCCGTGGAGTCCCGCGGCGGGACGCGCACCGCGTGCCTCCTGCTGC 385


RESULT 2
US-09-082-092-5
; Sequence 5, Application US/09082092
; Patent No. 6251628
;  GENERAL INFORMATION:
;    APPLICANT:  Nakao, Atsuhito
;    APPLICANT:  Moren, Anita
;    APPLICANT:  Heuchel, Rainer
;    APPLICANT:  Itoh, Susumu
;    APPLICANT:  Afrakhte, Mozghan
;    APPLICANT:  Souchelnytskyi, Serhiy
;    APPLICANT:  Brodin, Greger
;    APPLICANT:  Landstrom, Marene
;    APPLICANT:  Heldin, Nils-Erik
;    APPLICANT:  Heldin, Carl-Henrik
;    APPLICANT:  ten Dijke, Peter
;    TITLE OF INVENTION:  SMAD7 AND USES THEREOF
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Wolf, Greenfield & Sacks, P.C.
;      STREET:  600 Atlantic Avenue
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  U.S.A.
;      ZIP:  02210-2211
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/082,092
;      FILING DATE:  20-MAY-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/047,221
;      FILING DATE:  20-MAY-1997
;      APPLICATION NUMBER:  60/060,465
;      FILING DATE:  30-SEP-1997
;      APPLICATION NUMBER:  60/075,940
;      FILING DATE:  25-FEB-1998
;      APPLICATION NUMBER:  60/077,033
;      FILING DATE:  06-MAR-1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Van Amsterdam, John R.
;      REGISTRATION NUMBER:  40,212
;      REFERENCE/DOCKET NUMBER:  L0461/7032
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-720-3500
;      TELEFAX:  617-720-2441
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1876 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  Coding Sequence
;      LOCATION:  50...1327
;      OTHER INFORMATION:
US-09-082-092-5

  Query Match             3.3%;  Score 40.6;  DB 4;  Length 1876;
  Best Local Similarity   73.8%;  Pred. No. 0.044;
  Matches   79;  Conservative    0;  Mismatches   24;  Indels    4;  Gaps    2;

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Qy     990 GGAGGTGGAGTGGCCTGGCAGAGGGCACATGGC-TGCCACCTGCTGC 1035
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RESULT 3
US-08-826-246-3
; Sequence 3, Application US/08826246
; Patent No. 6048709
;  GENERAL INFORMATION:
;    APPLICANT:  Falb, Dean
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR
;    TITLE OF INVENTION:  THE TREATMENT AND DIAGNOSIS OF
;    TITLE OF INVENTION:  CARDIOVASCULAR DISEASE
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS LLP
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/826,246
;      FILING DATE:  28-MAR-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/799,910
;      FILING DATE:  13-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/011,787
;      FILING DATE:  16-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  7853-078-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)7909090
;      TELEFAX:  (212)8699741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3103 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  both
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
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;    FEATURE:
;      NAME/KEY:  Coding Sequence
;      LOCATION:  288...1565
;      OTHER INFORMATION:
US-08-826-246-3

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  Best Local Similarity   73.8%;  Pred. No. 0.06;
  Matches   79;  Conservative    0;  Mismatches   24;  Indels    4;  Gaps    2;

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RESULT 4
US-08-944-495-3
; Sequence 3, Application US/08944495
; Patent No. 6087477
;  GENERAL INFORMATION:
;    APPLICANT:  Falb, Dean
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR
;    TITLE OF INVENTION:  THE TREATMENT AND DIAGNOSIS OF
;    TITLE OF INVENTION:  CARDIOVASCULAR DISEASE
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS LLP
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/944,495
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/799,910
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  7853-067-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)7909090
;      TELEFAX:  (212)8699741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3103 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  both
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  Coding Sequence
;      LOCATION:  288...1565
;      OTHER INFORMATION:
US-08-944-495-3

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  Best Local Similarity   73.8%;  Pred. No. 0.06;
  Matches   79;  Conservative    0;  Mismatches   24;  Indels    4;  Gaps    2;

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Qy    990 GGAGGTGGAGTGGCCTGGCAGAGGGCACATGGC-TGCCACCTGCTGC 1035
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Db    626 GGCCGTGGAGTCCCGCGGCGGGACGCGCACCGCGTGCCTCCTGCTGC 672


RESULT 5
US-09-126-640-2
; Sequence 2, Application US/09126640A
; Patent No. 6099823
; GENERAL INFORMATION:
;  APPLICANT: FALB, Dean A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
;  TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
;  FILE REFERENCE: 7853-126
;  CURRENT APPLICATION NUMBER: US/09/126,640A
;  CURRENT FILING DATE: 1998-07-30
;  EARLIER APPLICATION NUMBER: 08/870,434
;  EARLIER FILING DATE: 1997-06-06
;  EARLIER APPLICATION NUMBER: 08/799,910
;  EARLIER FILING DATE: 1997-02-13
;  EARLIER APPLICATION NUMBER: 60/011,787
;  EARLIER FILING DATE: 1996-02-16
;  NUMBER OF SEQ ID NOS: 44
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 3103
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-126-640-2

  Query Match             3.3%;  Score 40.6;  DB 3;  Length 3103;
  Best Local Similarity   73.8%;  Pred. No. 0.06;
  Matches   79;  Conservative    0;  Mismatches   24;  Indels    4;  Gaps    2;

Qy    933 GGCATTCGTACATTCTGTGCTCAACAAACGGA---AGCGGCAGCTGGAGCTGCTGCTCCG 989
          |||  ||   || || |||||||| |||| ||   |||||||||||||||||||||||
Db    566 GGCGCTCACGCACTCGGTGCTCAAGAAACTGAAGGAGCGGCAGCTGGAGCTGCTGCTCCA 625

Qy    990 GGAGGTGGAGTGGCCTGGCAGAGGGCACATGGC-TGCCACCTGCTGC 1035
          ||  |||||||  |  ||| |   || ||  || |||| ||||||||
Db    626 GGCCGTGGAGTCCCGCGGCGGGACGCGCACCGCGTGCCTCCTGCTGC 672


RESULT 6
US-08-925-588-3
; Sequence 3, Application US/08925588
; Patent No. 6221628
;   GENERAL INFORMATION:
;        APPLICANT: Falb, Dean
;        TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
;                            THE TREATMENT AND DIAGNOSIS OF
;                            CARDIOVASCULAR DISEASE
;        NUMBER OF SEQUENCES: 44
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: PENNIE & EDMONDS LLP
;             STREET: 1155 Avenue of the Americas
;             CITY: New York
;             STATE: NY
;             COUNTRY: USA
;             ZIP: 10036-2711
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: DOS
;             SOFTWARE: FastSEQ Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/08/925,588
;             FILING DATE: 08-Sep-1997
;             CLASSIFICATION: <Unknown>
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;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/799,910
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Coruzzi, Laura A
;             REGISTRATION NUMBER: 30,742
;             REFERENCE/DOCKET NUMBER: 7853-067-999
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (212)7909090
;             TELEFAX: (212)8699741
;             TELEX: 66141 PENNIE
;   INFORMATION FOR SEQ ID NO: 3:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 3103 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: both
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        FEATURE:
;             NAME/KEY:  Coding Sequence
;             LOCATION:  288...1565
;             OTHER INFORMATION:
;        SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-08-925-588-3

  Query Match             3.3%;  Score 40.6;  DB 4;  Length 3103;
  Best Local Similarity   73.8%;  Pred. No. 0.06;
  Matches   79;  Conservative    0;  Mismatches   24;  Indels    4;  Gaps    2;

Qy    933 GGCATTCGTACATTCTGTGCTCAACAAACGGA---AGCGGCAGCTGGAGCTGCTGCTCCG 989
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Qy    990 GGAGGTGGAGTGGCCTGGCAGAGGGCACATGGC-TGCCACCTGCTGC 1035
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RESULT 7
US-09-288-292A-2
; Sequence 2, Application US/09288292A
; Patent No. 6359194
; GENERAL INFORMATION:
;  APPLICANT: Dean A. Falb
;  APPLICANT:  Katherine Galvin
;  APPLICANT:  Michael Donovan
;  APPLICANT:  Dennis Huszar
;  APPLICANT:  Michael A. Gimbrone, Jr.
;  TITLE OF INVENTION: Compositions and Methods for the Treatment and Diagnosis of
;  TITLE OF INVENTION:  Cardiovascular Disease
;  FILE REFERENCE: 7853-140-999
;  CURRENT APPLICATION NUMBER: US/09/288,292A
;  CURRENT FILING DATE:  1999-04-08
;  PRIOR APPLICATION NUMBER: 08/870,434
;  PRIOR FILING DATE: 1997-06-06
;  PRIOR APPLICATION NUMBER: 08/799,910
;  PRIOR FILING DATE: 1997-02-13
;  PRIOR APPLICATION NUMBER: 60/011,787
;  PRIOR FILING DATE: 1996-02-16
;  PRIOR APPLICATION NUMBER: 08/485,573
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: 08/386,844
;  PRIOR FILING DATE: 1995-02-10
;  NUMBER OF SEQ ID NOS: 46
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 3103
;   TYPE: DNA
;   ORGANISM: Homo sapiens
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;   NAME/KEY: CDS
;   LOCATION: (288)...(1565)
US-09-288-292A-2

  Query Match             3.3%;  Score 40.6;  DB 4;  Length 3103;
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  Matches   79;  Conservative    0;  Mismatches   24;  Indels    4;  Gaps    2;

Qy    933 GGCATTCGTACATTCTGTGCTCAACAAACGGA---AGCGGCAGCTGGAGCTGCTGCTCCG 989
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Db    566 GGCGCTCACGCACTCGGTGCTCAAGAAACTGAAGGAGCGGCAGCTGGAGCTGCTGCTCCA 625

Qy    990 GGAGGTGGAGTGGCCTGGCAGAGGGCACATGGC-TGCCACCTGCTGC 1035
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RESULT 8
US-09-487-444-3
; Sequence 3, Application US/09487444
; Patent No. 6159697
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD7 EXPRESSION
;  FILE REFERENCE: RTS-0133
;  CURRENT APPLICATION NUMBER: US/09/487,444
;  CURRENT FILING DATE: 2000-01-19
;  NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 3
;   LENGTH: 3111
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (296)...(1576)
US-09-487-444-3

  Query Match             3.3%;  Score 40.6;  DB 3;  Length 3111;
  Best Local Similarity   73.8%;  Pred. No. 0.06;
  Matches   79;  Conservative    0;  Mismatches   24;  Indels    4;  Gaps    2;

Qy    933 GGCATTCGTACATTCTGTGCTCAACAAACGGA---AGCGGCAGCTGGAGCTGCTGCTCCG 989
          |||  ||   || || |||||||| |||| ||   |||||||||||||||||||||||
Db    574 GGCGCTCACGCACTCGGTGCTCAAGAAACTGAAGGAGCGGCAGCTGGAGCTGCTGCTCCA 633

Qy    990 GGAGGTGGAGTGGCCTGGCAGAGGGCACATGGC-TGCCACCTGCTGC 1035
          ||  |||||||  |  ||| |   || ||  || |||| ||||||||
Db    634 GGCCGTGGAGTCCCGCGGCGGGACGCGCACCGCGTGCCTCCTGCTGC 680


RESULT 9
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
;  APPLICANT: FLEISCHMAN, Robert D.
;  APPLICANT:  WHITE, Owen R.
;  APPLICANT:  FRASER, Claire M.
;  APPLICANT:  VENTER, John C.
;  TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
;  TITLE OF INVENTION:  TUBERCULOSIS
;  FILE REFERENCE: 24366-20007.00
;  CURRENT APPLICATION NUMBER: US/09/103,840A
;  CURRENT FILING DATE:  1998-06-24
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 4411529
;   TYPE: DNA
;   ORGANISM: Mycobacterium tuberculosis
;   OTHER INFORMATION: H37Rv
US-09-103-840A-1

  Query Match             3.2%;  Score 39.4;  DB 4;  Length 4411529;
  Best Local Similarity   49.8%;  Pred. No. 8.8;
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  Matches  100;  Conservative    0;  Mismatches  101;  Indels    0;  Gaps    0;

Qy   1042 CAGGTAGAAGGGCAGGACAGAACCATGAGCCTAGCGGCAGCGCCGGTTCGCGAAGCTCCC 1101
          | ||| |  ||  | |   |||   |   |  |||||| || |||| |  |   |  |
Db 1619102 CCGGTGGCTGGCTAAGCGGCAACGGCGGCGCCGGCGGCAACGGCGGTACTGGCGCCAGCG 1619043

Qy   1102 CCTCCGCCAACGGGCGCCTCCTCAGAGCCGTCCGTGCCCGCCCTGCCGGGAGCTGACCCG 1161
          | ||| |  |||  ||  ||||    |||||| ||| |||||| ||| | | |    |
Db 1619042 GCGCCGACGGCGGCGGCGGCCTCCCCCCCGTCCCCGCCAGCCCTGGCGGTAACGGCGGTG 1618983

Qy   1162 CAGCGCAGTGCAGAGTTGCTCCTGTTGGCGGTGACCAGGGAGGGACTGGAGCGGCGGATC 1221
            |   |  | | |||| |||        | |   || ||  | || | | | |
Db 1618982 GCGGTGATGCCGGTGGTGCTGCTGGGATGTTCGGCACCGGCGGCGCCGGTGGGACCGGCG 1618923

Qy   1222 ATCTCCAGGAAGCGGGCTGAG 1242
            |   |  || ||| | |
Db 1618922 GGGACGGCGGCGCCGGCGGTG 1618902


RESULT 10
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, F.
;    APPLICANT:  SCHEIFLINGER, F.
;    APPLICANT:  FALKNER, F. G.
;    TITLE OF INVENTION:  RECOMBINANT FOWLPOX VIRUS
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,463
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/935,313
;      FILING DATE:
;      APPLICATION NUMBER:  EP 91 114 300.6
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/114 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  7218 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      CLONE:  pTZgpt-F1s
US-08-232-463-14

  Query Match             3.1%;  Score 39.2;  DB 1;  Length 7218;
  Best Local Similarity   3.9%;  Pred. No. 0.26;
  Matches   14;  Conservative  195;  Mismatches  153;  Indels    0;  Gaps    0;

Qy    450 AGGACAGATCCATGAACCCATCGGCAGCGGCGGGAATATAATCAACACTAATAAAGGAGG 509
          :::: :::   : :::   :  :: :: :: ::::: : ::  :: :  :: ::::::::
Db   1404 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1345

Qy    510 AAGGAGCTGTCAGAATCCTGCCCTTCCGTCTCCAGATCAAAGTCCTTCAGGAAATGCAAC 569
          ::::::  :  ::::    :       :     :::  ::::      :::::: : ::
Db   1344 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1285

Qy    570 TACTTCAGTGACAAGAGATAATTATCATCTTCTGACAGAGGAGGAATTTGGGGTTTGGTC 629
           :    :: :: :::::: ::  :  :       :: :::::::::   ::::   ::
Db   1284 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1225

Qy    630 CCAGTCCATGAAGTGGCACAGTCAGAATAAAAGTGGCGGGAGCGTCCCCGTGAGAGGCCC 689
            ::   : :::: :: : ::  :::: ::::: :: ::::: :     : ::::::
Db   1224 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1165

Qy    690 GACCCAGGAGCCATGTTCTGAATCTCAAATTTTGAAAGAATCTTTTGTCCCACCCACAAC 749
          ::   :::::  : :    :::    :::    :::::::      :    :   : ::
Db   1164 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1105

Qy    750 ACCCAAAGAAAATAATAAACAGGAGAGGGAGGATGAAAATTGGCGTCTACCACCCCCTCC 809
          :   :::::::: :: ::: :::::::::::: ::::|| |    || || |  ||| |
Db   1104 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRATCGCAAGCTCCCTCGACCTGC 1045

Qy    810 AG 811
          ||
Db   1044 AG 1043


RESULT 11
US-08-791-347-7
; Sequence 7, Application US/08791347
; Patent No. 5885776
;  GENERAL INFORMATION:
;    APPLICANT:  Stone, Edwin M.
;    APPLICANT:  Sheffield, Val C.
;    APPLICANT:  Alward, Wallace L.M.
;    TITLE OF INVENTION:  GLAUCOMA COMPOSITIONS AND THERAPEUTIC
;    TITLE OF INVENTION:  AND DIAGNOSTIC USES THEREFOR
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY, HOAG & ELIOT LLP
;      STREET:  One Post Office Square
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2170
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/791,347
;      FILING DATE:  30-JAN-1997
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Arnold, Beth E.
;      REGISTRATION NUMBER:  35,430
;      REFERENCE/DOCKET NUMBER:  UIA-010.26
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-832-1000
;      TELEFAX:  617-832-7000
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-791-347-7

  Query Match             3.1%;  Score 38.6;  DB 2;  Length 195;
  Best Local Similarity  55.6%;  Pred. No. 0.047;
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  Matches   74;  Conservative    0;  Mismatches   59;  Indels    0;  Gaps    0;

Qy    729 ATCTTTTGTCCCACCCACAACACCCAAAGAAAATAATAAACAGGAGAGGGAGGATGAAAA 788
          ||| | |||  ||||    |||||   || |  ||     ||| ||| |        ||
Db     58 ATCATCTGTGGCACCTTGTACACCGTCAGCAGCTACACCTCAGCAGATGCTACCGTCAAC 117

Qy    789 TTGGCGTCTACCACCCCCTCCAGTAGCAGAAACACCTGTACCATCTCCTTCAGTAACAGA 848
          || || | |  |||   | |  ||| ||| || |||   ||||| | ||||  ||| |
Db    118 TTTGCTTATGACACAGGCACAGGTATCAGCAAGACCCTGACCATCCCATTCAAGAACCGC 177

Qy    849 AATAGAGACCCCA 861
           |||   ||  ||
Db    178 TATAAGTACAGCA 190


RESULT 12
US-08-791-347-8
; Sequence 8, Application US/08791347
; Patent No. 5885776
;  GENERAL INFORMATION:
;    APPLICANT:  Stone, Edwin M.
;    APPLICANT:  Sheffield, Val C.
;    APPLICANT:  Alward, Wallace L.M.
;    TITLE OF INVENTION:  GLAUCOMA COMPOSITIONS AND THERAPEUTIC
;    TITLE OF INVENTION:  AND DIAGNOSTIC USES THEREFOR
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY, HOAG & ELIOT LLP
;      STREET:  One Post Office Square
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2170
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/791,347
;      FILING DATE:  30-JAN-1997
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Arnold, Beth E.
;      REGISTRATION NUMBER:  35,430
;      REFERENCE/DOCKET NUMBER:  UIA-010.26
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-832-1000
;      TELEFAX:  617-832-7000
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-791-347-8

  Query Match             3.1%;  Score 38.6;  DB 2;  Length 195;
  Best Local Similarity   55.6%;  Pred. No. 0.047;
  Matches   74;  Conservative    0;  Mismatches   59;  Indels    0;  Gaps    0;

Qy    729 ATCTTTTGTCCCACCCACAACACCCAAAGAAAATAATAAACAGGAGAGGGAGGATGAAAA 788
          ||| | |||  ||||    |||||   || |  ||     ||| ||| |        ||
Db     58 ATCATCTGTGGCACCTTGCACACCGTCAGCAGCTACACCTCAGCAGATGCTACCGTCAAC 117

Qy    789 TTGGCGTCTACCACCCCCTCCAGTAGCAGAAACACCTGTACCATCTCCTTCAGTAACAGA 848
          || || | |  |||   | |  ||| ||| || |||   ||||| | ||||  ||| |
Db    118 TTTGCTTATGACACAGGCACAGGTATCAGCAAGACCCTGACCATCCCATTCAAGAACCGC 177

Qy    849 AATAGAGACCCCA 861
           |||   ||  ||
Db    178 TATAAGTACAGCA 190


RESULT 13
US-08-748-479-5
; Sequence 5, Application US/08748479
; Patent No. 5925748
;  GENERAL INFORMATION:
;    APPLICANT:  Stone, Edwin M.
;    APPLICANT:  Sheffield, Val C.
;    APPLICANT:  Alward, Wallace L.M.
;    TITLE OF INVENTION:  DNA DIAGNOSTICS FOR GLAUCOMA
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY, HOAG & ELIOT LLP
;      STREET:  One Post Office Square
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2170
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/748,479
;      FILING DATE:  08-NOV-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/234,218
;      FILING DATE:  28-APR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Arnold, Beth E.
;      REGISTRATION NUMBER:  35,430
;      REFERENCE/DOCKET NUMBER:  UIA-010.02
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-832-1000
;      TELEFAX:  617-832-7000
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-748-479-5

  Query Match             3.1%;  Score 38.6;  DB 2;  Length 195;
  Best Local Similarity   55.6%;  Pred. No. 0.047;
  Matches   74;  Conservative    0;  Mismatches   59;  Indels    0;  Gaps    0;

Qy    729 ATCTTTTGTCCCACCCACAACACCCAAAGAAAATAATAAACAGGAGAGGGAGGATGAAAA 788
          ||| | |||  ||||    |||||   || |  ||     ||| ||| |        ||
Db     58 ATCATCTGTGGCACCTTGTACACCGTCAGCAGCTACACCTCAGCAGATGCTACCGTCAAC 117

Qy    789 TTGGCGTCTACCACCCCCTCCAGTAGCAGAAACACCTGTACCATCTCCTTCAGTAACAGA 848
          || || | |  |||   | |  ||| ||| || |||   ||||| | ||||  ||| |
Db    118 TTTGCTTATGACACAGGCACAGGTATCAGCAAGACCCTGACCATCCCATTCAAGAACCGC 177

Qy    849 AATAGAGACCCCA 861
           |||   ||  ||
Db    178 TATAAGTACAGCA 190


RESULT 14
US-08-748-479-6
; Sequence 6, Application US/08748479
; Patent No. 5925748
;  GENERAL INFORMATION:
;    APPLICANT:  Stone, Edwin M.
;    APPLICANT:  Sheffield, Val C.
;    APPLICANT:  Alward, Wallace L.M.
;    TITLE OF INVENTION:  DNA DIAGNOSTICS FOR GLAUCOMA
```

```
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY, HOAG & ELIOT LLP
;      STREET:  One Post Office Square
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2170
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/748,479
;      FILING DATE:  08-NOV-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/234,218
;      FILING DATE:  28-APR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Arnold, Beth E.
;      REGISTRATION NUMBER:  35,430
;      REFERENCE/DOCKET NUMBER:  UIA-010.02
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-832-1000
;      TELEFAX:  617-832-7000
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-748-479-6

  Query Match             3.1%;  Score 38.6;  DB 2;  Length 195;
  Best Local Similarity   55.6%;  Pred. No. 0.047;
  Matches   74;  Conservative    0;  Mismatches   59;  Indels    0;  Gaps    0;

Qy     729 ATCTTTTGTCCCACCCACAACACCCAAAGAAAATAATAAACAGGAGAGGGAGGATGAAAA 788
           ||| | ||| |||| |||||  || | ||  ||| ||| |        ||
Db      58 ATCATCTGTGGCACCTTGCACACCGTCAGCAGCTACACCTCAGCAGATGCTACCGTCAAC 117

Qy     789 TTGGCGTCTACCACCCCCTCCAGTAGCAGAAACACCTGTACCATCTCCTTCAGTAACAGA 848
           || || | |  |||  | |  ||| ||| || |||  |||||| | |||| ||| |
Db     118 TTTGCTTATGACACAGGCACAGGTATCAGCAAGACCCTGACCATCCCATTCAAGAACCGC 177

Qy     849 AATAGAGACCCCA 861
           |||  ||  ||
Db     178 TATAAGTACAGCA 190


RESULT 15
US-08-822-999-11
; Sequence 11, Application US/08822999
; Patent No. 6271026
;  GENERAL INFORMATION:
;    APPLICANT:  Stone, Edwin M.
;    APPLICANT:  Sheffield, Val C.
;    APPLICANT:  Alward, Wallace L.M.
;    TITLE OF INVENTION:  GLAUCOMA COMPOSITIONS AND THERAPEUTIC
;    TITLE OF INVENTION:  AND DIAGNOSTIC USES THEREFOR
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY, HOAG & ELIOT LLP
;      STREET:  One Post Office Square
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2170
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/822,999
;      FILING DATE:  21-MAR-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/791,347
;      FILING DATE:  30-JAN-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/748,479
;      FILING DATE:  08-NOV-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/234,218
;      FILING DATE:  28-APR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Arnold, Beth E.
;      REGISTRATION NUMBER:  35,430
;      REFERENCE/DOCKET NUMBER:  UIA-010.27
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-832-1000
;      TELEFAX:  617-832-7000
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-822-999-11

  Query Match             3.1%;  Score 38.6;  DB 4;  Length 195;
  Best Local Similarity   55.6%;  Pred. No. 0.047;
  Matches   74;  Conservative    0;  Mismatches   59;  Indels    0;  Gaps    0;

Qy     729 ATCTTTTGTCCCACCCACAACACCCAAAGAAAATAATAAACAGGAGAGGGAGGATGAAAA 788
           ||| | ||| |||| |||||  || | ||  ||| ||| |        ||
Db      58 ATCATCTGTGGCACCTTGTACACCGTCAGCAGCTACACCTCAGCAGATGCTACCGTCAAC 117

Qy     789 TTGGCGTCTACCACCCCCTCCAGTAGCAGAAACACCTGTACCATCTCCTTCAGTAACAGA 848
           || || | |  |||  | |  ||| ||| || |||  |||||| | |||| ||| |
Db     118 TTTGCTTATGACACAGGCACAGGTATCAGCAAGACCCTGACCATCCCATTCAAGAACCGC 177

Qy     849 AATAGAGACCCCA 861
           |||  ||  ||
Db     178 TATAAGTACAGCA 190


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Job time : 4846.66 secs
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GenCore version 5.1.3

OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 16:30:47 ; Search time 28.6446 Seconds
(without alignments)
10706.274 Million cell updates/sec

Title: US-09-708-724A-3_COPY_1_1000
Perfect score: 1000
Sequence: 1 agccagactaggagtgagcc.....cacacatagagtccagagga 1000

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	47.4	4.7	7218	1	US-08-232-463-14	Sequence 14, Appl
c	2	36	3.6	7218	1	US-08-232-463-14	Sequence 14, Appl
	3	33.2	3.3	169998	4	US-09-676-610B-24	Sequence 24, Appl
	4	32.4	3.2	29598	4	US-09-341-587-6	Sequence 6, Appli
	5	32.2	3.2	3476	3	US-08-630-916A-47	Sequence 47, Appl
c	6	31.4	3.1	876	4	US-08-446-935-2	Sequence 2, Appli
c	7	31.4	3.1	1281	4	US-09-082-092-8	Sequence 8, Appli
c	8	31.4	3.1	1876	4	US-09-082-092-5	Sequence 5, Appli
c	9	31.4	3.1	2395	4	US-08-446-935-7	Sequence 7, Appli
c	10	31.4	3.1	3103	3	US-08-826-246-3	Sequence 3, Appli
c	11	31.4	3.1	3103	3	US-08-944-495-3	Sequence 3, Appli
c	12	31.4	3.1	3103	3	US-09-126-640-2	Sequence 2, Appli
c	13	31.4	3.1	3103	4	US-08-925-588-3	Sequence 3, Appli
c	14	31.4	3.1	3103	4	US-09-288-292A-2	Sequence 2, Appli
c	15	31.4	3.1	3111	3	US-09-487-444-3	Sequence 3, Appli
c	16	31.4	3.1	5356	4	US-08-446-935-1	Sequence 1, Appli
	17	30.8	3.1	604	4	US-09-221-298-9	Sequence 9, Appli
	18	30.8	3.1	607	4	US-09-385-982-272	Sequence 272, App
c	19	30.8	3.1	2049	1	US-08-268-797-1	Sequence 1, Appli
c	20	30.8	3.1	2049	5	PCT-US95-08414-1	Sequence 1, Appli
c	21	30.8	3.1	2691	1	US-07-878-960-1	Sequence 1, Appli
c	22	30.6	3.1	1227	4	US-08-818-112-35	Sequence 35, Appl
c	23	30.6	3.1	1227	4	US-08-818-111-35	Sequence 35, Appl
c	24	30.6	3.1	1227	4	US-09-056-556-35	Sequence 35, Appl
c	25	30.6	3.1	1227	4	US-09-072-596-35	Sequence 35, Appl
	26	30.6	3.1	3639	4	US-09-605-785-779	Sequence 779, App
	27	30.6	3.1	3848	4	US-09-112-096-28	Sequence 28, Appl
	28	30.6	3.1	5668	4	US-09-112-096-14	Sequence 14, Appl
	29	30.6	3.1	5668	4	US-09-605-785-777	Sequence 777, App
c	30	30.4	3.0	28001	4	US-09-819-993-3	Sequence 3, Appli
c	31	30.4	3.0	29629	4	US-09-729-995-3	Sequence 3, Appli
c	32	30.4	3.0	36741	4	US-09-301-665-3	Sequence 3, Appli
c	33	30	3.0	1308	4	US-09-123-912-109	Sequence 109, App
c	34	30	3.0	1308	4	US-09-643-597-109	Sequence 109, App
c	35	30	3.0	1419	4	US-09-123-912-111	Sequence 111, App
c	36	30	3.0	1419	4	US-09-643-597-111	Sequence 111, App
c	37	30	3.0	49272	1	US-08-614-770A-1	Sequence 1, Appli
c	38	30	3.0	50000	4	US-09-146-053-4	Sequence 4, Appli
	39	29.8	3.0	1413	4	US-09-813-918-1	Sequence 1, Appli
c	40	29.8	3.0	1536	4	US-09-268-992-44	Sequence 44, Appl
c	41	29.8	3.0	1536	4	US-09-657-474-44	Sequence 44, Appl
	42	29.6	3.0	1260	1	US-08-029-404-1	Sequence 1, Appli
	43	29.6	3.0	1260	3	US-08-459-953A-1	Sequence 1, Appli
c	44	29.6	3.0	1591	3	US-08-468-856B-9	Sequence 9, Appli
c	45	29.6	3.0	1591	3	US-08-468-859A-9	Sequence 9, Appli

ALIGNMENTS

RESULT 1
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fls
US-08-232-463-14

Query Match 4.7%; Score 47.4; DB 1; Length 7218;

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  Best Local Similarity   4.5%;  Pred. No. 8.5e-05;
  Matches   18;  Conservative  216;  Mismatches  167;  Indels    0;  Gaps    0;

Qy      91 GGCTGCAGTCCAAAGGATACTCGGTGCGGGTCCCTGTCCCCCATAGCATCTTAGATCAGC 150
           ||||||||  | | |||    |  |   :   ::::: :::::: :  : ::::   ::  :
Db    1041 GGCTGCAGGTCGAGGGAGCTTGCGATYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1100

Qy     151 TGCTGAGGCTGGAGCTTCTTCCATTCCTTGAGCATCAGGGGTGTGTATCATTTCCAAGGG 210
           : ::    ::    :::::::: ::::::   : ::     : : : :: :::::
Db    1101 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1160

Qy     211 TTTTCAGACAATCCCTGGTGACCCCTGGCAGGGGGCGGTTATCATGGCGATCGGTCCATG 270
           :::::   :  :::::  :  :::::  :      :  :: :: :  :  ::  ::: :
Db    1161 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1220

Qy     271 GCCTTGCCTCCAAGCAGCACCCAGCAATCCCCATGCCCACCAATGCACTAAATGTTTGTG 330
           :::: :::::   :  : :::  :  ::::: : ::: ::  : : ::   : ::: :
Db    1221 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1280

Qy     331 GTGGGCCTCTTTCTGGAAGCTCACCTTCTCCTCCTGTTTGCCCTCCATCTTCCCCAAACC 390
           :   :::::::::     ::: :::::::::::: ::: :::::: ::::::::   ::
Db    1281 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1340

Qy     391 AGTACTTCTGGCCATCCTCCTTGTCACCACAATGGGAAAACTGGGTCCTGGAGACTCAGA 450
           : :::::  :: :::::::: :: :: :  :       ::   ::::     :::
Db    1341 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1400

Qy     451 AACCACTGTGCAGGCCTCGAGTCTTCCCCTGTCCTGGCTAA 491
           :: :: : :   ::::   :::::::::: :::   | ||
Db    1401 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYGTACCAA 1441


RESULT 2
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, F.
;    APPLICANT:  SCHEIFLINGER, F.
;    APPLICANT:  FALKNER, F. G.
;    TITLE OF INVENTION:  RECOMBINANT FOWLPOX VIRUS
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,463
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/935,313
;      FILING DATE:
;      APPLICATION NUMBER:  EP 91 114 300.6
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/114 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  7218 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      CLONE:  pTZgpt-Fls
US-08-232-463-14

  Query Match             3.6%;  Score 36;  DB 1;  Length 7218;
  Best Local Similarity   8.2%;  Pred. No. 0.4;
  Matches   36;  Conservative  202;  Mismatches  202;  Indels    0;  Gaps    0;

Qy     463 GGCCTCGAGTCTTCCCCTGTCCTGGCTAACAGGGCATGGAATCAGAGAGAAAAGTCATCT 522
           |||  |  ||  |  ||  |       |  |||  |   |||  |  |  |  |||||  |    |  |
Db    1500 GGCATGTAGGCATCACTGTAATTACCTATCTATGCAAGTAGTTAAAGAGATAGAAGAATT 1441

Qy     523 TCCACCTCCTGAAGGCTGCCAGCGTCAGGGCTTGGCACACTGAGGCTGACAGGGGCCTTC 582
           |    |    :::::  :  :: :  ::::   :: : :  ::::  :: :::::
Db    1440 TGGTACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1381

Qy     583 TGAAGGCCAGAGGAGATGGCCCGGGACATAAGGCTGAAGCAACCTGTCTGAGCCAAAGAT 642
            :::::  :::::::: ::   :::: : ::::  :::: ::   :   :::  :::::
Db    1380 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1321

Qy     643 CTGTTTGTGTCCTCCTGAATCTTAGTGGCCTTCTAAAGGCGGGTGTGATCAGCCATGGGT 702
             :   : :       :::    :: ::      ::::: ::: : ::  ::  : :::
Db    1320 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1261

Qy     703 ATCAGAGACACTGGAGTCCAGTAGCTGCTAGGTGGGACACGGGCACAATTTCACTTGCAG 762
           :  ::::: :  ::::   :: ::  :  ::: :::: : ::: : ::    :   : ::
Db    1260 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1201

Qy     763 ACCAGCTGCACGGAGTGGATAAAGAGAGAGTTCTGTGTGGGAATCTCCTTTGGTGGATCA 822
           :  ::  : : :::: ::: ::::::::::    : : :::::       :: :::  :
Db    1200 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1141

Qy     823 TCAGGGAGGTGAAGTCTTTGTCATAGCCTCATATCCAGCTTGTGTGATACCAATTCCAGT 882
             ::::::: ::::     :  : ::    : :   ::   : : :: :  ::    ::
Db    1140 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1081

Qy     883 GAAGCTGGAACAAGCTGGCA 902
           ::::  :::: ::: | |||
Db    1080 RRRRRRRRRRRRRATCGCA 1061


RESULT 3
US-09-676-610B-24
; Sequence 24, Application US/09676610B
; Patent No. 6444465
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITION OF HER-1 EXPRESSION
;  FILE REFERENCE: RTS-0138
;  CURRENT APPLICATION NUMBER: US/09/676,610B
;  CURRENT FILING DATE:  2000-09-29
;  NUMBER OF SEQ ID NOS: 182
; SEQ ID NO 24
;   LENGTH: 169998
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: (1208)...(1472)
;   NAME/KEY: intron
;   LOCATION: (1473)...(124390)
;   NAME/KEY: exon
;   LOCATION: (124391)...(124544)
;   NAME/KEY: intron
;   LOCATION: (124545)...(125409)
;   NAME/KEY: exon
;   LOCATION: (125410)...(125595)
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;   NAME/KEY: intron
;   LOCATION: (125596)...(128711)
;   NAME/KEY: exon
;   LOCATION: (128712)...(128848)
;   NAME/KEY: intron
;   LOCATION: (128849)...(133400)
;   NAME/KEY: exon
;   LOCATION: (133401)...(133469)
;   NAME/KEY: intron
;   LOCATION: (133470)...(134652)
;   NAME/KEY: exon
;   LOCATION: (134653)...(134773)
;   NAME/KEY: intron
;   LOCATION: (134774)...(136116)
;   NAME/KEY: exon
;   LOCATION: (136117)...(136261)
;   NAME/KEY: intron
;   LOCATION: (136262)...(137936)
;   NAME/KEY: exon
;   LOCATION: (137937)...(138053)
;   NAME/KEY: intron
;   LOCATION: (138054)...(138637)
;   NAME/KEY: exon
;   LOCATION: (138638)...(138766)
;   NAME/KEY: intron
;   LOCATION: (138767)...(138864)
;   NAME/KEY: exon
;   LOCATION: (138865)...(138940)
;   NAME/KEY: intron
;   LOCATION: (138941)...(139765)
;   NAME/KEY: exon
;   LOCATION: (139766)...(139860)
;   NAME/KEY: intron
;   LOCATION: (139861)...(142245)
;   NAME/KEY: exon
;   LOCATION: (142246)...(142445)
;   NAME/KEY: intron
;   LOCATION: (142446)...(143605)
;   NAME/KEY: exon
;   LOCATION: (143606)...(143738)
;   NAME/KEY: intron
;   LOCATION: (143739)...(145838)
;   NAME/KEY: exon
;   LOCATION: (145839)...(145931)
;   NAME/KEY: intron
;   LOCATION: (145932)...(147385)
;   NAME/KEY: exon
;   LOCATION: (147386)...(147544)
;   NAME/KEY: intron
;   LOCATION: (147545)...(153274)
;   NAME/KEY: exon
;   LOCATION: (153275)...(153321)
;   NAME/KEY: intron
;   LOCATION: (153322)...(155088)
;   NAME/KEY: exon
;   LOCATION: (155089)...(155231)
;   NAME/KEY: intron
;   LOCATION: (155232)...(156025)
;   NAME/KEY: exon
;   LOCATION: (156026)...(156151)
;   NAME/KEY: intron
;   LOCATION: (156152)...(156826)
;   NAME/KEY: exon
;   LOCATION: (156827)...(156928)
;   NAME/KEY: intron
;   LOCATION: (156929)...(163399)
;   NAME/KEY: exon
;   LOCATION: (163400)...(163586)
US-09-676-610B-24

  Query Match             3.3%;  Score 33.2;  DB 4;  Length 169998;
  Best Local Similarity   59.6%;  Pred. No. 19;
  Matches   56;  Conservative    0;  Mismatches   38;  Indels    0;  Gaps    0;

Qy     506 AGAGAGAAAAGTCATCTTCCACCTCCTGAAGGCTGCCAGCGTCAGGGCTTGGCACACTGA 565
           || | |   ||  | |    ||| | | ||| ||||| | |||||| ||  ||| |
Db   57186 AGGGTGTGTAGGTAGCCCAGACCATCAGTGGGCAGCCAGGGCCAGGGCAGGGGCCACGGT 57245

Qy     566 GGCTGACAGGGGCCTTCTGAAGGCCAGAGGAGAT 599
             || | | |    ||||| |||| ||||| | ||
Db   57246 TGCAGCCTGCATTCTTCTAAAGGGCAGAGCAAAT 57279


RESULT 4
US-09-341-587-6
; Sequence 6, Application US/09341587
; Patent No. 6346606
; GENERAL INFORMATION:
;  APPLICANT: Mollenhauer, Jan
;  TITLE OF INVENTION: Protein Containing an SRCR Domain
;  FILE REFERENCE: 4121-108
;  CURRENT APPLICATION NUMBER: US/09/341,587
;  CURRENT FILING DATE: 1999-08-31
;  EARLIER APPLICATION NUMBER: PCT/DE98/00096
;  EARLIER FILING DATE: 1998-01-09
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 29598
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-341-587-6

  Query Match             3.2%;  Score 32.4;  DB 4;  Length 29598;
  Best Local Similarity   60.0%;  Pred. No. 13;
  Matches   54;  Conservative    0;  Mismatches   36;  Indels    0;  Gaps    0;

Qy     104 AGGATACTCGGTGCGGGTCCCTGTCCCCCATAGCATCTTAGATCAGCTGCTGAGGCTGGA 163
           |||||    ||||| |||  ||||| ||||| | ||| |    ||  || | |||   ||
Db   28659 AGGATGGAGGGTGCTGGTGACTGTCTCCCATGGAATCCTGTTCCAAGTGGTCAGGAAAGA 28718

Qy     164 GCTTCTTCCATTCCTTGAGCATCAGGGGTG 193
             | || ||||     | || || ||   ||
Db   28719 TCCTCATCCAGGTGCTCAGGATGAGCACTG 28748


RESULT 5
US-08-630-916A-47
; Sequence 47, Application US/08630916A
; Patent No. 6011137
;  GENERAL INFORMATION:
;    APPLICANT:  Pirozzi, Gregorio
;    APPLICANT:  Kay, Brian K.
;    APPLICANT:  Fowlkes, Dana M.
;    TITLE OF INVENTION:  IDENTIFICATION AND ISOLATION OF NOVEL
;    TITLE OF INVENTION:  POLYPEPTIDES HAVING WW DOMAINS AND METHODS OF USING SAME
;    NUMBER OF SEQUENCES:  124
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New  York
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/630,916A
;      FILING DATE:  03-APR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MISROCK, S. LESLIE
;      REGISTRATION NUMBER:  18,872
```

```
;      REFERENCE/DOCKET NUMBER:  1101-203
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 896-8864/9741
;  INFORMATION FOR SEQ ID NO:  47:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3476 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-630-916A-47

  Query Match             3.2%;  Score 32.2;  DB 3;  Length 3476;
  Best Local Similarity   61.2%;  Pred. No. 4.4;
  Matches   52;  Conservative    0;  Mismatches   33;  Indels    0;  Gaps    0;

Qy    492 CAGGGCATGGAATCAGAGAGAAAAGTCATCTTCCACCTCCTGAAGGCTGCCAGCGTCAGG 551
          |||| ||||||   |  | | || |||| |  ||||   |||||||  | | |||  ||
Db   2128 CAGGACATGGAGATACTGGGCAAGGTCACCACCCACGAGCTGAAGGAGGGCGGCGAGAGC 2187

Qy    552 GCTTGGCACACTGAGGCTGACAGGG 576
             ||  ||| ||||   ||| ||
Db   2188 ATCCGGGTCACGGAGGAGAACAAGG 2212


RESULT 6
US-08-446-935-2/c
; Sequence 2, Application US/08446935
; Patent No. 6187991
;  GENERAL INFORMATION:
;    APPLICANT:  Soeller, Walter C.
;    APPLICANT:  Carty, Maynard D.
;    APPLICANT:  Kreutter, David K.
;    TITLE OF INVENTION:  TRANSGENIC ANIMAL MODELS FOR TYPE II
;    TITLE OF INVENTION:  DIABETES MELLITUS
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pfizer Inc.
;      STREET:  235 East 42nd Street, 20th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10017-5755
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/446,935
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sheyka, Robert F.
;      REGISTRATION NUMBER:  31,304
;      REFERENCE/DOCKET NUMBER:  PC8153
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)573-1189
;      TELEFAX:  (212)573-1939
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  876 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-446-935-2

  Query Match             3.1%;  Score 31.4;  DB 4;  Length 876;
  Best Local Similarity   51.0%;  Pred. No. 3.7;
  Matches   74;  Conservative    0;  Mismatches   71;  Indels    0;  Gaps    0;

Qy     16 GAGCCAGAAGAGGGGAAGGATGGTGGAGGCACAGGCTGCACTCTACTGGTGCCCCAGACC 75
          |||  |||||    | || ||    || | |  | |    |||| ||    | ||   |
Db    268 GAGGTAGAAGGAAAGCAGAATTCAAGAAGAAAGGTCCCTTCTCTTCTATCTCTCCTTCCA 209

Qy     76 CAGACTGCATGCCCAGGCTGCAGTCCAAAGGATACTCGGTGCGGGTCCCTGTCCCCCATA 135
          || ||     |||||  | | |||| |  ||      |   |  |      || ||  ||
Db    208 CAAACCCATAGCCCACTCGGGAGTCAACTGGGCTGAAGCCCCATGGTGTATTCTCCTGTA 149

Qy    136 GCATCTTAGATCAGCTGCTGAGGCT 160
          | |||||||||  ||  |||| | |
Db    148 GTATCTTAGATTTGCACCTGAAGGT 124


RESULT 7
US-09-082-092-8/c
; Sequence 8, Application US/09082092
; Patent No. 6251628
;  GENERAL INFORMATION:
;    APPLICANT:  Nakao, Atsuhito
;    APPLICANT:  Moren, Anita
;    APPLICANT:  Heuchel, Rainer
;    APPLICANT:  Itoh, Susumu
;    APPLICANT:  Afrakhte, Mozghan
;    APPLICANT:  Souchelnytskyi, Serhiy
;    APPLICANT:  Brodin, Greger
;    APPLICANT:  Landstrom, Marene
;    APPLICANT:  Heldin, Nils-Erik
;    APPLICANT:  Heldin, Carl-Henrik
;    APPLICANT:  ten Dijke, Peter
;    TITLE OF INVENTION:  SMAD7 AND USES THEREOF
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Wolf, Greenfield & Sacks, P.C.
;      STREET:  600 Atlantic Avenue
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  U.S.A.
;      ZIP:  02210-2211
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/082,092
;      FILING DATE:  20-MAY-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/047,221
;      FILING DATE:  20-MAY-1997
;      APPLICATION NUMBER:  60/060,465
;      FILING DATE:  30-SEP-1997
;      APPLICATION NUMBER:  60/075,940
;      FILING DATE:  25-FEB-1998
;      APPLICATION NUMBER:  60/077,033
;      FILING DATE:  06-MAR-1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Van Amsterdam, John R.
;      REGISTRATION NUMBER:  40,212
;      REFERENCE/DOCKET NUMBER:  L0461/7032
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-720-3500
;      TELEFAX:  617-720-2441
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1281 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-082-092-8
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  Query Match             3.1%;  Score 31.4;  DB 4;  Length 1281;
  Best Local Similarity   56.5%;  Pred. No. 4.5;
  Matches  100;  Conservative    0;  Mismatches   71;  Indels    6;  Gaps    2;

Qy      25 GAGGGGAAGGATGGTGGAGGCACAGGCTGCACTCTACTGG--TGCCCCAGACCCAGACTG 82
           |||  | | || || ||  || |||||||| | |    ||    |||| | ||||| |||
Db     461 GAGTAGGACGAGGGCGGCTGCGCAGGCTGCGCGCCGGCGGGCGCCCCCGGGCCCAGCCTG 402

Qy      83 CATGCCCAGGCTGCAGTCCAAAGGATACTCG----GTGCGGGTCCCTGTCCCCCATAGCA 138
           ||  ||  |    | | |   |||| | ||    | |||   | | |     |    |
Db     401 CAGTCCAGGCGGCCGGGCAGCAGGAGGCACGCGGTGCGCGTCCCGCCGCGGGACTCCACG 342

Qy     139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCCTTGAGCATCAGGGGTGTG 195
             | | || |||| |||   ||||  ||| ||||  || ||||||| |  | | |||
Db     341 GCCTGGAGCAGCAGCTCCAGCTGCCGCTCCTTCAGTTTCTTGAGCACCGAGTGCGTG 285


RESULT 8
US-09-082-092-5/c
; Sequence 5, Application US/09082092
; Patent No. 6251628
;  GENERAL INFORMATION:
;    APPLICANT:  Nakao, Atsuhito
;    APPLICANT:  Moren, Anita
;    APPLICANT:  Heuchel, Rainer
;    APPLICANT:  Itoh, Susumu
;    APPLICANT:  Afrakhte, Mozghan
;    APPLICANT:  Souchelnytskyi, Serhiy
;    APPLICANT:  Brodin, Greger
;    APPLICANT:  Landstrom, Marene
;    APPLICANT:  Heldin, Nils-Erik
;    APPLICANT:  Heldin, Carl-Henrik
;    APPLICANT:  ten Dijke, Peter
;    TITLE OF INVENTION:  SMAD7 AND USES THEREOF
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Wolf, Greenfield & Sacks, P.C.
;      STREET:  600 Atlantic Avenue
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  U.S.A.
;      ZIP:  02210-2211
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/082,092
;      FILING DATE:  20-MAY-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/047,221
;      FILING DATE:  20-MAY-1997
;      APPLICATION NUMBER:  60/060,465
;      FILING DATE:  30-SEP-1997
;      APPLICATION NUMBER:  60/075,940
;      FILING DATE:  25-FEB-1998
;      APPLICATION NUMBER:  60/077,033
;      FILING DATE:  06-MAR-1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Van Amsterdam, John R.
;      REGISTRATION NUMBER:  40,212
;      REFERENCE/DOCKET NUMBER:  L0461/7032
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-720-3500
;      TELEFAX:  617-720-2441
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1876 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  Coding Sequence
;      LOCATION:  50...1327
;      OTHER INFORMATION:
US-09-082-092-5

  Query Match             3.1%;  Score 31.4;  DB 4;  Length 1876;
  Best Local Similarity   56.5%;  Pred. No. 5.7;
  Matches  100;  Conservative    0;  Mismatches   71;  Indels    6;  Gaps    2;

Qy      25 GAGGGGAAGGATGGTGGAGGCACAGGCTGCACTCTACTGG--TGCCCCAGACCCAGACTG 82
           |||  | | || || ||  || |||||||| | |    ||    |||| | ||||| |||
Db     510 GAGTAGGACGAGGGCGGCTGCGCAGGCTGCGCGCCGGCGGGCGCCCCCGGGCCCAGCCTG 451

Qy      83 CATGCCCAGGCTGCAGTCCAAAGGATACTCG----GTGCGGGTCCCTGTCCCCCATAGCA 138
           ||  ||  |    | | |   |||| | ||    | |||   | | |     |    |
Db     450 CAGTCCAGGCGGCCGGGCAGCAGGAGGCACGCGGTGCGCGTCCCGCCGCGGGACTCCACG 391

Qy     139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCCTTGAGCATCAGGGGTGTG 195
             | | || |||| |||   ||||  ||| ||||  || ||||||| |  | | |||
Db     390 GCCTGGAGCAGCAGCTCCAGCTGCCGCTCCTTCAGTTTCTTGAGCACCGAGTGCGTG 334


RESULT 9
US-08-446-935-7/c
; Sequence 7, Application US/08446935
; Patent No. 6187991
;  GENERAL INFORMATION:
;    APPLICANT:  Soeller, Walter C.
;    APPLICANT:  Carty, Maynard D.
;    APPLICANT:  Kreutter, David K.
;    TITLE OF INVENTION:  TRANSGENIC ANIMAL MODELS FOR TYPE II
;    TITLE OF INVENTION:  DIABETES MELLITUS
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pfizer Inc.
;      STREET:  235 East 42nd Street, 20th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10017-5755
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/446,935
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sheyka, Robert F.
;      REGISTRATION NUMBER:  31,304
;      REFERENCE/DOCKET NUMBER:  PC8153
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)573-1189
;      TELEFAX:  (212)573-1939
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2395 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-446-935-7

  Query Match             3.1%;  Score 31.4;  DB 4;  Length 2395;
  Best Local Similarity   51.0%;  Pred. No. 6.5;
  Matches   74;  Conservative    0;  Mismatches   71;  Indels    0;  Gaps    0;
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Qy      16 GAGCCAGAAGAGGGGAAGGATGGTGGAGGCACAGGCTGCACTCTACTGGTGCCCCAGACC 75
           |||  |||||    | || ||    || | |  | |    ||||  ||    | ||   |
Db     267 GAGGTAGAAGGAAAGCAGAATTCAAGAAGAAAGGTCCCTTCTCTTCTATCTCTCCTTCCA 208

Qy      76 CAGACTGCATGCCCAGGCTGCAGTCCAAAGGATACTCGGTGCGGGTCCCTGTCCCCCATA 135
           || ||     |||||  | | |||| |  ||      |   |  |      || ||  ||
Db     207 CAAACCCATAGCCCACTCGGGAGTCAACTGGGCTGAAGCCCCATGGTGTATTCTCCTGTA 148

Qy     136 GCATCTTAGATCAGCTGCTGAGGCT 160
           | |||||||||  ||  |||| | |
Db     147 GTATCTTAGATTTGCACCTGAAGGT 123


RESULT 10
US-08-826-246-3/c
; Sequence 3, Application US/08826246
; Patent No. 6048709
;  GENERAL INFORMATION:
;    APPLICANT:  Falb, Dean
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR
;    TITLE OF INVENTION:  THE TREATMENT AND DIAGNOSIS OF
;    TITLE OF INVENTION:  CARDIOVASCULAR DISEASE
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS LLP
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/826,246
;      FILING DATE:  28-MAR-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/799,910
;      FILING DATE:  13-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/011,787
;      FILING DATE:  16-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  7853-078-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)7909090
;      TELEFAX:  (212)8699741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3103 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  both
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  Coding Sequence
;      LOCATION:  288...1565
;      OTHER INFORMATION:
US-08-826-246-3

  Query Match             3.1%;  Score 31.4;  DB 3;  Length 3103;
  Best Local Similarity   56.5%;  Pred. No. 7.5;
  Matches  100;  Conservative    0;  Mismatches   71;  Indels    6;  Gaps    2;

Qy      25 GAGGGGAAGGATGGTGGAGGCACAGGCTGCACTCTACTGG--TGCCCCAGACCCAGACTG 82
           |||  | | || || ||  || ||||||||| | |    ||    |||| | ||||| |||
Db     748 GAGTAGGACGAGGGCGGCTGCGCAGGCTGCGCGCCGGCGGGCGCCCCCGGGCCCAGCCTG 689

Qy      83 CATGCCCAGGCTGCAGTCCAAAGGATACTCG----GTGCGGGTCCCTGTCCCCCATAGCA 138
           ||  ||  |    | | |   ||||  | ||    | |||   | | |     |    |
Db     688 CAGTCCAGGCGGCCGGGCAGCAGGAGGCACGCGGTGCGCGTCCCGCCGCGGGACTCCACG 629

Qy     139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCCTTGAGCATCAGGGGTGTG 195
           | | || |||| |||   |||| ||| |||| || ||||||| |  | | |||
Db     628 GCCTGGAGCAGCAGCTCCAGCTGCCGCTCCTTCAGTTTCTTGAGCACCGAGTGCGTG 572


RESULT 11
US-08-944-495-3/c
; Sequence 3, Application US/08944495
; Patent No. 6087477
;  GENERAL INFORMATION:
;    APPLICANT:  Falb, Dean
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR
;    TITLE OF INVENTION:  THE TREATMENT AND DIAGNOSIS OF
;    TITLE OF INVENTION:  CARDIOVASCULAR DISEASE
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS LLP
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/944,495
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/799,910
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  7853-067-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)7909090
;      TELEFAX:  (212)8699741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3103 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  both
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  Coding Sequence
;      LOCATION:  288...1565
;      OTHER INFORMATION:
US-08-944-495-3

  Query Match             3.1%;  Score 31.4;  DB 3;  Length 3103;
  Best Local Similarity   56.5%;  Pred. No. 7.5;
  Matches  100;  Conservative    0;  Mismatches   71;  Indels    6;  Gaps    2;

Qy      25 GAGGGGAAGGATGGTGGAGGCACAGGCTGCACTCTACTGG--TGCCCCAGACCCAGACTG 82
           |||  | | || || ||  || ||||||||| | |    ||    |||| | ||||| |||
Db     748 GAGTAGGACGAGGGCGGCTGCGCAGGCTGCGCGCCGGCGGGCGCCCCCGGGCCCAGCCTG 689

Qy      83 CATGCCCAGGCTGCAGTCCAAAGGATACTCG----GTGCGGGTCCCTGTCCCCCATAGCA 138
           ||  ||  |    | | |   ||||  | ||    | |||   | | |     |    |
Db     688 CAGTCCAGGCGGCCGGGCAGCAGGAGGCACGCGGTGCGCGTCCCGCCGCGGGACTCCACG 629

Qy     139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCCTTGAGCATCAGGGGTGTG 195
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          | | || |||| |||   ||||  ||| ||||  || |||||||| |  | | |||
Db    628 GCCTGGAGCAGCAGCTCCAGCTGCCGCTCCTTCAGTTTCTTGAGCACCGAGTGCGTG 572


RESULT 12
US-09-126-640-2/c
; Sequence 2, Application US/09126640A
; Patent No. 6099823
; GENERAL INFORMATION:
;  APPLICANT: FALB, Dean A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
;  TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
;  FILE REFERENCE: 7853-126
;  CURRENT APPLICATION NUMBER: US/09/126,640A
;  CURRENT FILING DATE: 1998-07-30
;  EARLIER APPLICATION NUMBER: 08/870,434
;  EARLIER FILING DATE: 1997-06-06
;  EARLIER APPLICATION NUMBER: 08/799,910
;  EARLIER FILING DATE: 1997-02-13
;  EARLIER APPLICATION NUMBER: 60/011,787
;  EARLIER FILING DATE: 1996-02-16
;  NUMBER OF SEQ ID NOS: 44
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 3103
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-126-640-2

  Query Match             3.1%;  Score 31.4;  DB 3;  Length 3103;
  Best Local Similarity   56.5%;  Pred. No. 7.5;
  Matches  100;  Conservative    0;  Mismatches   71;  Indels    6;  Gaps    2;

Qy      25 GAGGGGAAGGATGGTGGAGGCACAGGCTGCACTCTACTGG--TGCCCCAGACCCAGACTG 82
           |||  | | || || ||  || |||||||| | |    ||    |||| | ||||| |||
Db     748 GAGTAGGACGAGGGCGGCTGCGCAGGCTGCGCGCCGGCGGGCGCCCCCGGGCCCAGCCTG 689

Qy      83 CATGCCCAGGCTGCAGTCCAAAGGATACTCG----GTGCGGGTCCCTGTCCCCCATAGCA 138
           ||  ||  |    | | |   ||||  | ||    | |||   | | |      |    |
Db     688 CAGTCCAGGCGGCCGGGCAGCAGGAGGCACGCGGTGCGCGTCCCGCCGCGCGGGACTCCACG 629

Qy     139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCCTTGAGCATCAGGGGTGTG 195
           | | || |||| |||   ||||  ||| ||||  || |||||||| |  | | |||
Db     628 GCCTGGAGCAGCAGCTCCAGCTGCCGCTCCTTCAGTTTCTTGAGCACCGAGTGCGTG 572


RESULT 13
US-08-925-588-3/c
; Sequence 3, Application US/08925588
; Patent No. 6221628
;  GENERAL INFORMATION:
;       APPLICANT: Falb, Dean
;       TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
;                           THE TREATMENT AND DIAGNOSIS OF
;                           CARDIOVASCULAR DISEASE
;       NUMBER OF SEQUENCES: 44
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: PENNIE & EDMONDS LLP
;            STREET: 1155 Avenue of the Americas
;            CITY: New York
;            STATE: NY
;            COUNTRY: USA
;            ZIP: 10036-2711
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: DOS
;            SOFTWARE: FastSEQ Version 2.0
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/925,588
;            FILING DATE: 08-Sep-1997
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/799,910
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Coruzzi, Laura A
;            REGISTRATION NUMBER: 30,742
;            REFERENCE/DOCKET NUMBER: 7853-067-999
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (212)7909090
;            TELEFAX: (212)8699741
;            TELEX: 66141 PENNIE
;  INFORMATION FOR SEQ ID NO: 3:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 3103 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: both
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       FEATURE:
;            NAME/KEY:  Coding Sequence
;            LOCATION:  288...1565
;            OTHER INFORMATION:
;       SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-08-925-588-3

  Query Match             3.1%;  Score 31.4;  DB 4;  Length 3103;
  Best Local Similarity   56.5%;  Pred. No. 7.5;
  Matches  100;  Conservative    0;  Mismatches   71;  Indels    6;  Gaps    2;

Qy      25 GAGGGGAAGGATGGTGGAGGCACAGGCTGCACTCTACTGG--TGCCCCAGACCCAGACTG 82
           |||  | | || || ||  || |||||||| | |    ||    |||| | ||||| |||
Db     748 GAGTAGGACGAGGGCGGCTGCGCAGGCTGCGCGCCGGCGGGCGCCCCCGGGCCCAGCCTG 689

Qy      83 CATGCCCAGGCTGCAGTCCAAAGGATACTCG----GTGCGGGTCCCTGTCCCCCATAGCA 138
           ||  ||  |    | | |   ||||  | ||    | |||   | | |      |    |
Db     688 CAGTCCAGGCGGCCGGGCAGCAGGAGGCACGCGGTGCGCGTCCCGCCGCGCGGGACTCCACG 629

Qy     139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCCTTGAGCATCAGGGGTGTG 195
           | | || |||| |||   ||||  ||| ||||  || |||||||| |  | | |||
Db     628 GCCTGGAGCAGCAGCTCCAGCTGCCGCTCCTTCAGTTTCTTGAGCACCGAGTGCGTG 572


RESULT 14
US-09-288-292A-2/c
; Sequence 2, Application US/09288292A
; Patent No. 6359194
; GENERAL INFORMATION:
;  APPLICANT: Dean A. Falb
;  APPLICANT:  Katherine Galvin
;  APPLICANT:  Michael Donovan
;  APPLICANT:  Dennis Huszar
;  APPLICANT:  Michael A. Gimbrone, Jr.
;  TITLE OF INVENTION: Compositions and Methods for the Treatment and Diagnosis of
;  TITLE OF INVENTION:  Cardiovascular Disease
;  FILE REFERENCE: 7853-140-999
;  CURRENT APPLICATION NUMBER: US/09/288,292A
;  CURRENT FILING DATE:  1999-04-08
;  PRIOR APPLICATION NUMBER: 08/870,434
;  PRIOR FILING DATE: 1997-06-06
;  PRIOR APPLICATION NUMBER: 08/799,910
;  PRIOR FILING DATE: 1997-02-13
;  PRIOR APPLICATION NUMBER: 60/011,787
;  PRIOR FILING DATE: 1996-02-16
;  PRIOR APPLICATION NUMBER: 08/485,573
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: 08/386,844
;  PRIOR FILING DATE: 1995-02-10
;  NUMBER OF SEQ ID NOS: 46
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 3103
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
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;   NAME/KEY: CDS
;   LOCATION: (288)...(1565)
US-09-288-292A-2

  Query Match             3.1%;  Score 31.4;  DB 4;  Length 3103;
  Best Local Similarity   56.5%;  Pred. No. 7.5;
  Matches  100;  Conservative    0;  Mismatches   71;  Indels    6;  Gaps    2;

Qy      25 GAGGGGAAGGATGGTGGAGGCACAGGCTGCACTCTACTGG--TGCCCCAGACCCAGACTG 82
           |||  | | || || ||  || |||||||| | |    ||    |||| | ||||| |||
Db     748 GAGTAGGACGAGGGCGGCTGCGCAGGCTGCGCGCCGGCGGGCGCCCCCGGGCCCAGCCTG 689

Qy      83 CATGCCCAGGCTGCAGTCCAAAGGATACTCG----GTGCGGGTCCCTGTCCCCCATAGCA 138
           ||  ||  |    | | |   ||||  | ||    | |||   | | |     |    |
Db     688 CAGTCCAGGCGGCCGGGCAGCAGGAGGCACGCGGTGCGCGTCCCGCCGCGGGACTCCACG 629

Qy     139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCCTTGAGCATCAGGGGTGTG 195
            | | || |||| |||   ||||  ||| ||||  || ||||||||| |  | | |||
Db     628 GCCTGGAGCAGCAGCTCCAGCTGCCGCTCCTTCAGTTTCTTGAGCACCGAGTGCGTG 572


RESULT 15
US-09-487-444-3/c
; Sequence 3, Application US/09487444
; Patent No. 6159697
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD7 EXPRESSION
;  FILE REFERENCE: RTS-0133
;  CURRENT APPLICATION NUMBER: US/09/487,444
;  CURRENT FILING DATE: 2000-01-19
;  NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 3
;   LENGTH: 3111
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (296)...(1576)
US-09-487-444-3

  Query Match             3.1%;  Score 31.4;  DB 3;  Length 3111;
  Best Local Similarity   56.5%;  Pred. No. 7.5;
  Matches  100;  Conservative    0;  Mismatches   71;  Indels    6;  Gaps    2;

Qy      25 GAGGGGAAGGATGGTGGAGGCACAGGCTGCACTCTACTGG--TGCCCCAGACCCAGACTG 82
           |||  | | || || ||  || |||||||| | |    ||    |||| | ||||| |||
Db     756 GAGTAGGACGAGGGCGGCTGCGCAGGCTGCGCGCCGGCGGGCGCCCCCGGGCCCAGCCTG 697

Qy      83 CATGCCCAGGCTGCAGTCCAAAGGATACTCG----GTGCGGGTCCCTGTCCCCCATAGCA 138
           ||  ||  |    | | |   ||||  | ||    | |||   | | |     |    |
Db     696 CAGTCCAGGCGGCCGGGCAGCAGGAGGCACGCGGTGCGCGTCCCGCCGCGGGACTCCACG 637

Qy     139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCCTTGAGCATCAGGGGTGTG 195
            | | || |||| |||   ||||  ||| ||||  || ||||||||| |  | | |||
Db     636 GCCTGGAGCAGCAGCTCCAGCTGCCGCTCCTTCAGTTTCTTGAGCACCGAGTGCGTG 580


Search completed: December 24, 2002, 23:19:26
Job time : 174.645 secs
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;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..1773
US-08-889-402-5

  Query Match             3.3%;  Score 32.6;  DB 1;  Length 1776;
  Best Local Similarity   52.6%;  Pred. No. 1;
  Matches   71;  Conservative    0;  Mismatches   64;  Indels    0;  Gaps    0;

Qy    210 CTGTGGAGCCCAGAACCTGATGCAGGTCTAAGTCCTGTTGTATGAACATGTCCTGACCCT 269
          |||||| | ||   | ||  | ||||||  | | | |       | ||||   |    ||
Db   1057 CTGTGGCGACCCCCAGCTTGTTCAGGTCAGACTGCAGGCTCCCCAGCATGCTGTCCAGCT 998

Qy    270 GGCGGCCCTGGTGGTGGTGCAGCATAGGAAGTATAAGGGATGAGGTCTAGTCATGGGCCA 329
          |||  ||  | |   || ||  | |||  ||      |       ||||   | |||||||
Db    997 GGCTCCCGGGCTTCGGGGGCCCCCCAGGGGGTGAGCTGCTCCCTGTCTTCCCCTGGGCCA 938

Qy    330 TGGAGCCTTTCTCAT 344
          || | |||  ||| |
Db    937 TGAACCCTCCCTCGT 923


RESULT 14
US-08-790-374-1
; Sequence 1, Application US/08790374
; Patent No. 5863734
;  GENERAL INFORMATION:
;    APPLICANT:  Karayiorgou, Maria
;    APPLICANT:  Gogos, Joseph A.
;    TITLE OF INVENTION:  METHODS OF TREATMENT FOR OBSESSIVE-COMPULSIVE              D
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klauber & Jackson
;      STREET:  411 Hackensack Avenue, 4th Floor
;      CITY:  Hackensack
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/790,374
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jackson Esq., David A.
;      REGISTRATION NUMBER:  26,742
;      REFERENCE/DOCKET NUMBER:  600-1-189
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-487-5800
;      TELEFAX:  201-343-1684
;      TELEX:  133521
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3651 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
US-08-790-374-1

  Query Match             3.2%;  Score 31.6;  DB 2;  Length 3651;
  Best Local Similarity   48.4%;  Pred. No. 3.7;
  Matches   88;  Conservative    0;  Mismatches   94;  Indels    0;  Gaps    0;

Qy    156 AAAGAGATAAGCAACTTGGAGTAGCTCAAAAGTCACGGAGCCTCAGTGTCCCTTCTGTGG 215
          ||  | |   ||   | || |  ||   |    ||| ||||    | | |||| |  |

Db   1271 AAGCAAAGGGGCGTGTGGGTGCTGCAGGAGGAGCACAGAGCACTGGCGCCCCTCCCCTCC 1330

Qy    216 AGCCCAGAACCTGATGCAGGTCTAAGTCCTGTTGTATGAACATGTCCTGACCCTGGCGGC 275
          |||| | |  ||  | ||| |      ||| |||  | |  |||  ||        ||
Db   1331 CGCCCTGCAGATGCCGGAGGCCCCGCCTCTGCTGTTGGCAGCTGTGTTGCTGGGCCTGGT 1390

Qy    276 CCTGGTGGTGGTGCAGCATAGGAAGTATAAGGGATGAGGTCTAGTCATGGGCCATGGAGC 335
          ||| |||||||||| ||    |      | |   || ||    | | || ||| |   |
Db   1391 GCTGCTGGTGGTGCTGCTGCTGCTTCTGAGGCACTGGGGCTGGGGCCTGTGCCTTATCGG 1450

Qy    336 CT 337
          ||
Db   1451 CT 1452


RESULT 15
US-09-276-533A-5
; Sequence 5, Application US/09276533A
; Patent No. 6436707
; GENERAL INFORMATION:
;  APPLICANT: Zambrowicz, Brian
;  APPLICANT:  Friedrich, Glenn A.
;  APPLICANT:  Lilleberg, Stan
;  APPLICANT:  Sands, Arthur T.
;  TITLE OF INVENTION: VECTORS FOR GENE MUTAGENESIS AND GENE
;  TITLE OF INVENTION:  DISCOVERY
;  FILE REFERENCE: 07705-0006-00000
;  CURRENT APPLICATION NUMBER: US/09/276,533A
;  CURRENT FILING DATE:  2001-01-31
;  PRIOR APPLICATION NUMBER: US 60/079,729
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: US 60/081,727
;  PRIOR FILING DATE: 1998-04-14
;  PRIOR APPLICATION NUMBER: US 60/109,302
;  PRIOR FILING DATE: 1998-11-20
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
;   LENGTH: 279
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic sequence
US-09-276-533A-5

  Query Match             3.1%;  Score 31;  DB 4;  Length 279;
  Best Local Similarity   55.0%;  Pred. No. 1.1;
  Matches   61;  Conservative    0;  Mismatches   50;  Indels    0;  Gaps    0;

Qy    858 GTCCATGAAGTGGCACAGTCAGAATAAAAGGTGAGAGCTTAGGAGATTAGCGGAGGGTAG 917
          || |  | || ||    |  || | |  ||  |||||   ||||||  || |||| | ||
Db    111 GTACCAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAG 170

Qy    918 AAGAACACTCTGTCTTGTGACCAGCTTCAGAGAGCCTGGGGCCATGGCTTC 968
          | ||   ||| |    ||   ||  | |   || | || |  ||||  |||
Db    171 AGGAGATCTCAGGTGAGTTCGCATGTGCTTCGAACTTGTGTGCATGCGTTC 221


Search completed: December 24, 2002, 23:28:11
Job time : 64.6732 secs
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;  APPLICANT: Loosmore, Sheena M.
;  APPLICANT: Yang, Yan-Ping
;  APPLICANT: Klein, Michel H.
;  TITLE OF INVENTION: Protective Recombinant Haemophilus Influenzae High
;  TITLE OF INVENTION: Molecular Weight Proteins
;  FILE REFERENCE: 1038-861 MIS:jb
;  CURRENT APPLICATION NUMBER: US/09/206,942
;  CURRENT FILING DATE: 1998-12-08
;  EARLIER APPLICATION NUMBER: 09/167,568
;  EARLIER FILING DATE: 1998-10-07
;  NUMBER OF SEQ ID NOS: 95
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
;    LENGTH: 3222
;    TYPE: DNA
;    ORGANISM: Haemophilus influenzae
US-09-206-942-48

  Query Match             3.3%;  Score 32.8;  DB 4;  Length 3222;
  Best Local Similarity   53.0%;  Pred. No. 1.3;
  Matches   70;  Conservative    0;  Mismatches   62;  Indels    0;  Gaps    0;

Qy     557 GATTAGATGAATATAATCAATGATAAATTCCTAGAGGAGGGACTTTTTATAATCAACTCT 616
           |||   ||  | || | ||| ||||           |  |||  ||| |  || |||||
Db     268 GATGGTATTCAAATTAACAAGGATATTACTTCTACAGGCGGAAGTTTAACTATTAACTCC 327

Qy     617 GAGAACAGGTTGGAGCTACATGGGATTGGAGGGGAGGGTGGAGCCCCTTAAAAGAAAAGC 676
           ||  || || | ||  | ||||| | |     |   ||||  | |  || ||| |  | |
Db     328 GACGACTGGGTTGATATTCATGGAAATATCACGCTTGGTGAGGGCTTTTTAAATATTACC 387

Qy     677 CCCAGAGACTGC 688
           | || || | |
Db     388 TCTAGTGATTCC 399


RESULT 11
US-09-206-942-46
; Sequence 46, Application US/09206942
; Patent No. 6432669
; GENERAL INFORMATION:
;  APPLICANT: Loosmore, Sheena M.
;  APPLICANT: Yang, Yan-Ping
;  APPLICANT: Klein, Michel H.
;  TITLE OF INVENTION: Protective Recombinant Haemophilus Influenzae High
;  TITLE OF INVENTION: Molecular Weight Proteins
;  FILE REFERENCE: 1038-861 MIS:jb
;  CURRENT APPLICATION NUMBER: US/09/206,942
;  CURRENT FILING DATE: 1998-12-08
;  EARLIER APPLICATION NUMBER: 09/167,568
;  EARLIER FILING DATE: 1998-10-07
;  NUMBER OF SEQ ID NOS: 95
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
;    LENGTH: 3240
;    TYPE: DNA
;    ORGANISM: Haemophilus influenzae
US-09-206-942-46

  Query Match             3.3%;  Score 32.8;  DB 4;  Length 3240;
  Best Local Similarity   53.0%;  Pred. No. 1.3;
  Matches   70;  Conservative    0;  Mismatches   62;  Indels    0;  Gaps    0;

Qy     557 GATTAGATGAATATAATCAATGATAAATTCCTAGAGGAGGGACTTTTTATAATCAACTCT 616
           |||   ||  | || | ||| ||||           |  |||  ||| |  || |||||
Db     286 GATGGTATTCAAATTAACAAGGATATTACTTCTACAGGCGGAAGTTTAACTATTAACTCC 345

Qy     617 GAGAACAGGTTGGAGCTACATGGGATTGGAGGGGAGGGTGGAGCCCCTTAAAAGAAAAGC 676
           ||  || || | ||  | ||||| | |     |   ||||  | |  || ||| |  | |
Db     346 GACGACTGGGTTGATATTCATGGAAATATCACGCTTGGTGAGGGCTTTTTAAATATTACC 405

Qy     677 CCCAGAGACTGC 688
           | || || | |
Db     406 TCTAGTGATTCC 417


RESULT 12
US-08-889-402-3/c
; Sequence 3, Application US/08889402
; Patent No. 5811288
;  GENERAL INFORMATION:
;    TITLE OF INVENTION:  NOVEL ISOFORM GENE FOR FOCAL ADHESION
;    TITLE OF INVENTION:  PROTEIN PAXILLIN
;    NUMBER OF SEQUENCES:  7
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/889,402
;      FILING DATE:
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 178334/1996
;      FILING DATE:  08-JUL-1996
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1776 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
US-08-889-402-3

  Query Match             3.3%;  Score 32.6;  DB 1;  Length 1776;
  Best Local Similarity   52.6%;  Pred. No. 1;
  Matches   71;  Conservative    0;  Mismatches   64;  Indels    0;  Gaps    0;

Qy     210 CTGTGGAGCCCAGAACCTGATGCAGGTCTAAGTCCTGTTGTATGAACATGTCCTGACCCT 269
           ||||||  | ||   | ||  | ||||||  | | | |       | ||||   |    ||
Db    1057 CTGTGGCGACCCCCAGCTTGTTCAGGTCAGACTGCAGGCTCCCCAGCATGCTGTCCAGCT 998

Qy     270 GGCGGCCCTGGTGGTGGTGCAGCATAGGAAGTATAAGGGATGAGGTCTAGTCATGGGCCA 329
           |||  ||  | |   || ||  |  |||  ||      |      ||||   | |||||||
Db     997 GGCTCCCGGGCTTCGGGGGCCCCCCAGGGGGTGAGCTGCTCCCTGTCTTCCCCTGGGCCA 938

Qy     330 TGGAGCCTTTCTCAT 344
           || | |||  ||| |
Db     937 TGAACCCTCCCTCGT 923


RESULT 13
US-08-889-402-5/c
; Sequence 5, Application US/08889402
; Patent No. 5811288
;  GENERAL INFORMATION:
;    TITLE OF INVENTION:  NOVEL ISOFORM GENE FOR FOCAL ADHESION
;    TITLE OF INVENTION:  PROTEIN PAXILLIN
;    NUMBER OF SEQUENCES:  7
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/889,402
;      FILING DATE:
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 178334/1996
;      FILING DATE:  08-JUL-1996
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1776 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
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Qy    791 CAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGACAGAGGAGGAATTTGGGGTTT 850
Db  26897 CAAATACCCAACCGCTTCAATATGTTTACCCCCCTCTGTTAGAGAGGGAACCCAGAGCTC 26838

Qy    851 GGTCCCAGTCCATGAAGTGGCACAGTCAGAATAAAAGGTGAGAGCTT 897
Db  26837 ACCTCCGGTTTTAGGAGTGTTAGTATCAAAAAGAAGGTTAGATGTTT 26791


RESULT 8
US-08-998-416-230/c
; Sequence 230, Application US/08998416
; Patent No. 6239264
;  GENERAL INFORMATION:
;    APPLICANT:  Philippsen, Peter
;    APPLICANT:  Pohlmann, Rainer
;    APPLICANT:  Steiner, Sabine
;    APPLICANT:  Mohr, Christine
;    APPLICANT:  Wendland, Jurgen
;    APPLICANT:  Knechtle, Philipp
;    APPLICANT:  Rebischung, Corinne
;    TITLE OF INVENTION:  GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPII
;    TITLE OF INVENTION:  AND USES THEREOF
;    NUMBER OF SEQUENCES:  1152
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6239264artis Corporation
;      STREET:  3054 Cornwallis Road
;      CITY:  Research Triangle Park
;      STATE:  No. 6239264th Carolina
;      COUNTRY:  USA
;      ZIP:  27709
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/998,416
;      FILING DATE:  24-DEC-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  CH 0016/97
;      FILING DATE:  31-DEC-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meigs, J. Timothy
;      REGISTRATION NUMBER:  38,241
;      REFERENCE/DOCKET NUMBER:  PF/5-30306/A/CGC1976
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  919-541-8587
;      TELEFAX:  919-541-8689
;  INFORMATION FOR SEQ ID NO:  230:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  593 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    ORIGINAL SOURCE:
;      ORGANISM:  PAG1211UP
US-08-998-416-230

  Query Match             3.3%;  Score 33;  DB 4;  Length 593;
  Best Local Similarity   49.2%;  Pred. No. 0.37;
  Matches   87;  Conservative    0;  Mismatches   90;  Indels    0;  Gaps    0;

Qy    783 AGGAAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGACAGAGGAGGAATT 842
Db    470 AGCCAAACAATCCAGTTCCAGGGTAAATGATAGGTAGCCTTCGCGGATAGTTCGGGTGAC 411

Qy    843 TGGGGTTTGGTCCCAGTCCATGAAGTGGCACAGTCAGAATAAAAGGTGAGAGCTTAGGAG 902
Db    410 TTAGTGTTGGCCCAACTTCTTAAACTGGCGCAAGCCAATTAAATTGCGTGCGCATAACAT 351

Qy    903 ATTAGCGGAGGGTAGAAGAACACTCTGTCTTGTGACCAGCTTCAGAGAGCCTGGGGC 959
Db    350 TCTTCTTATAAGTGTAACAGCGCGTAAGCATGTTTCCTGTATCAGGGTTGGTAGGGC 294


RESULT 9
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, F.
;    APPLICANT:  SCHEIFLINGER, F.
;    APPLICANT:  FALKNER, F. G.
;    TITLE OF INVENTION:  RECOMBINANT FOWLPOX VIRUS
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,463
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/935,313
;      FILING DATE:
;      APPLICATION NUMBER:  EP 91 114 300.6
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/114 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  7218 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      CLONE:  pTZgpt-F1s
US-08-232-463-14

  Query Match             3.3%;  Score 33;  DB 1;  Length 7218;
  Best Local Similarity   15.7%;  Pred. No. 1.9;
  Matches   18;  Conservative   61;  Mismatches   36;  Indels    0;  Gaps    0;

Qy    685 CTGCCCCTGCCCTCTCTCTCCCCCACAAGTTCCATTTATTATCTTCCACCCAGGAGCTGT 744
Db   1351 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1410

Qy    745 CAGAATCCTGCCCTTCCGTCTCCAGATCAAAGTCCTTCAGGAAATGCAACTACTT 799
Db   1411 YYYYYYYYYYYYYYYYYYYYYYYYGTACCAAATTCTTCTATCTCTTTAACTACTT 1465


RESULT 10
US-09-206-942-48
; Sequence 48, Application US/09206942
; Patent No. 6432669
; GENERAL INFORMATION:
```

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          |||| |  || || ||   ||| |   | || ||||    ||||   | | |||||||
Db   2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAATCATTACAGCCTTCATCCTGGGGAGGAACT 2113

Qy    843 TGGGGTTTGGTCCCAGTCCATGAAGTGGCACAGTCAGAATAAAAGGT 889
          ||||  |||| |  |  ||   ||  || |||| ||  | | || |
Db   2114 GGGGGCCTGGTTCTGGGTCAGAGAGCAGCCCAGTGAGGGTGAGAGCT 2160


RESULT 5
US-09-232-149A-334
; Sequence 334, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
;  APPLICANT: Xu, Jiangchun
;  APPLICANT:  Dillon, Davin C.
;  APPLICANT:  Mitcham, Jennifer Lynn
;  TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
;  TITLE OF INVENTION:  CANCER AND METHODS FOR THEIR USE
;  FILE REFERENCE: 210121.427C6
;  CURRENT APPLICATION NUMBER: US/09/232,149A
;  CURRENT FILING DATE:  1999-01-15
;  NUMBER OF SEQ ID NOS: 338
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 334
;   LENGTH: 2417
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-232-149A-334

  Query Match             3.7%;  Score 36.6;  DB 4;  Length 2417;
  Best Local Similarity   58.9%;  Pred. No. 0.054;
  Matches   63;  Conservative    0;  Mismatches   44;  Indels    0;  Gaps    0;

Qy    783 AGGAAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGACAGAGGAGGAATT 842
          |||| |  || || ||   ||| |   | || ||||    ||||   | | |||||||
Db   2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAATCATTACAGCCTTCATCCTGGGGAGGAACT 2113

Qy    843 TGGGGTTTGGTCCCAGTCCATGAAGTGGCACAGTCAGAATAAAAGGT 889
          ||||  |||| |  |  ||   ||  || |||| ||  | | || |
Db   2114 GGGGGCCTGGTTCTGGGTCAGAGAGCAGCCCAGTGAGGGTGAGAGCT 2160


RESULT 6
US-09-605-785-698
; Sequence 698, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:
;  APPLICANT: Xu, Jiangchun
;  APPLICANT:  Dillon, Davin C.
;  APPLICANT:  Mitcham, Jennifer L.
;  APPLICANT:  Harlocker, Susan L.
;  APPLICANT:  Jiang, Yuqui
;  APPLICANT:  Henderson, Robert A.
;  APPLICANT:  Kalos, Michael D.
;  APPLICANT:  Fanger, Gary R.
;  APPLICANT:  Retter, Marc W.
;  APPLICANT:  Stolk, John A.
;  APPLICANT:  Day, Craig H.
;  APPLICANT:  Vedvick, Thomas S.
;  APPLICANT:  Carter, Darrick
;  APPLICANT:  Li, Samuel
;  APPLICANT:  Wang, Aijun
;  APPLICANT:  Skeiky, Yasir A.W.
;  APPLICANT:  Hepler, William
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF PROSTATE CANCER
;  FILE REFERENCE: 210121.427C16
;  CURRENT APPLICATION NUMBER: US/09/605,785
;  CURRENT FILING DATE:  2000-06-27
;  NUMBER OF SEQ ID NOS: 835
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 698
;   LENGTH: 3674
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-605-785-698

  Query Match             3.7%;  Score 36.6;  DB 4;  Length 3674;
  Best Local Similarity   58.9%;  Pred. No. 0.071;
  Matches   63;  Conservative    0;  Mismatches   44;  Indels    0;  Gaps    0;

Qy    783 AGGAAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGACAGAGGAGGAATT 842
          |||| |  || || ||   ||| |   | || ||||    ||||   | | |||||||
Db   3293 AGGAGACCCAGCTGCTCAGGTGGCTGCAAATCATTACAGCCTTCATCCTGGGGAGGAACT 3352

Qy    843 TGGGGTTTGGTCCCAGTCCATGAAGTGGCACAGTCAGAATAAAAGGT 889
          ||||  |||| |  |  ||   ||  || |||| ||  | | || |
Db   3353 GGGGGCCTGGTTCTGGGTCAGAGAGCAGCCCAGTGAGGGTGAGAGCT 3399


RESULT 7
US-08-752-760A-1/c
; Sequence 1, Application US/08752760A
; Patent No. 5877011
;  GENERAL INFORMATION:
;    APPLICANT:  Armentano, Donna
;    APPLICANT:  Gregory, Richard J.
;    APPLICANT:  Smith, Alan E.
;    TITLE OF INVENTION:  CHIMERIC ADENOVIRAL VECTORS
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Baker & Botts, L.L.P.
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  U.S.A.
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/752,760A
;      FILING DATE:  20-NOV-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seide, Rochelle K
;      REGISTRATION NUMBER:  32,300
;      REFERENCE/DOCKET NUMBER:  A31385
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-705-5000
;      TELEFAX:  212-705-5020
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  35081 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-752-760A-1

  Query Match             3.7%;  Score 36.6;  DB 2;  Length 35081;
  Best Local Similarity   47.6%;  Pred. No. 0.31;
  Matches  108;  Conservative    0;  Mismatches  119;  Indels    0;  Gaps    0;

Qy    671 AAAAGCCCCAGAGACTGCCCCTGCCCTCTCTCTCCCCCACAAGTTCCATTTATTATCTTC 730
          | |  |||   |   | || |    |  | |||  |||| || |  |  | ||  |||
Db  27017 AGAGCCCCTTCATGGTTCCTCCCAACAATGTCTGACCCAGCAGATAAAGATTTTGATTTC 26958

Qy    731 CACCCAGGAGCTGTCAGAATCCTGCCCTTCCGTCTCCAGATCAAAGTCCTTCAGGAAATG 790
          | |||| |        ||| | || |  |  |   |  | | | | ||  |   |||
Db  26957 GATCCAGCAAGGAAGGTAATACAGCACCGCTATGCACCCACCCAGGACCACCCCTAAAAT 26898
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  Best Local Similarity   5.3%;  Pred. No. 6.5e-05;
  Matches   19;  Conservative  192;  Mismatches  147;  Indels    0;  Gaps    0;

Qy     367 AGGGAATATAATCAACACTAATAAAGGAGGAAGGTGAGCAGCTGGCGCTGTCGCTTTGAG 426
           :::::: : ::  :: :  :: :::::::::::: ::: ::  :: :  :  :    ::: 
Db    1383 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1324

Qy     427 GGAGGATGGCGATGTGAAAGTCAGTGACCACCGTGGGGAGGACACTCCCTGGCTCCATCC 486
           :::::: :: :: : :::::  :: ::  :  : :::::::: :       ::    : 
Db    1323 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1264

Qy     487 TCTGCATCTTAGATTTATTGGGACAGTTTGATACACAGAGAAGGAGGAGACCCATCCCAA 546
             : :    :::   :  :::: ::   :: : : :::::::::::::   :    :: 
Db    1263 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1204

Qy     547 TGGAGGGTTTGATTAGATGAATATAATCAATGATAAATTCCTAGAGGAGGGACTTTTTAT 606
           ::::::   ::  ::: ::: : ::  :: :: :::     ::::::::::      : 
Db    1203 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1144

Qy     607 AATCAACTCTGAGAACAGGTTGGAGCTACATGGGATTGGAGGGGAGGGTGGAGCCCCTTA 666
           ::  ::    ::::: :::  ::::  : : ::::  :::::::::: ::::      : 
Db    1143 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1084

Qy     667 AAAGAAAAGCCCCAGAGACTGCCCCTGCCCTCTCTCTCCCCCACAAGTTCCATTTATT 724
           :::::::::    ::::|  ||     |||||   || |  |  |  |   | ||| | 
Db    1083 RRRRRRRRRRRRRRRRATCGCAAGCTCCCTCGACCTGCAGCCAAGCTCGGAATTAAT 1026


RESULT 2
US-09-605-785-334
; Sequence 334, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:
;  APPLICANT: Xu, Jiangchun
;  APPLICANT:  Dillon, Davin C.
;  APPLICANT:  Mitcham, Jennifer L.
;  APPLICANT:  Harlocker, Susan L.
;  APPLICANT:  Jiang, Yuqui
;  APPLICANT:  Henderson, Robert A.
;  APPLICANT:  Kalos, Michael D.
;  APPLICANT:  Fanger, Gary R.
;  APPLICANT:  Retter, Marc W.
;  APPLICANT:  Stolk, John A.
;  APPLICANT:  Day, Craig H.
;  APPLICANT:  Vedvick, Thomas S.
;  APPLICANT:  Carter, Darrick
;  APPLICANT:  Li, Samuel
;  APPLICANT:  Wang, Aijun
;  APPLICANT:  Skeiky, Yasir A.W.
;  APPLICANT:  Hepler, William
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF PROSTATE CANCER
;  FILE REFERENCE: 210121.427C16
;  CURRENT APPLICATION NUMBER: US/09/605,785
;  CURRENT FILING DATE:  2000-06-27
;  NUMBER OF SEQ ID NOS: 835
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 334
;   LENGTH: 2417
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-605-785-334

  Query Match             3.7%;  Score 36.6;  DB 4;  Length 2417;
  Best Local Similarity   58.9%;  Pred. No. 0.054;
  Matches   63;  Conservative    0;  Mismatches   44;  Indels    0;  Gaps    0;

Qy     783 AGGAAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGACAGAGGAGGAATT 842
           |||| |  || || ||   ||| |   | || ||||    ||||   | | ||||||| |
Db    2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAATCATTACAGCCTTCATCCTGGGGAGGAACT 2113

Qy     843 TGGGGTTTGGTCCCAGTCCATGAAGTGGCACAGTCAGAATAAAAGGT 889
            ||||  |||| |  |  ||   ||  || |||| ||  | | || |
Db    2114 GGGGGCCTGGTTCTGGGTCAGAGAGCAGCCCAGTGAGGGTGAGAGCT 2160


RESULT 3
US-09-439-313-334
; Sequence 334, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
;  APPLICANT: Xu, Jiangchun
;  APPLICANT:  Dillon, Davin C.
;  APPLICANT:  Mitcham, Jennifer L.
;  APPLICANT:  Harlocker, Susan Louise
;  APPLICANT:  Jiang Yuqui
;  APPLICANT:  Reed, Steven G.
;  APPLICANT:  Kalos, Michael
;  APPLICANT:  Fanger, Gary
;  APPLICANT:  Retter, Mark
;  APPLICANT:  Solk, John
;  APPLICANT:  Day, Craig
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF PROSTATE CANCER
;  FILE REFERENCE: 210121.427C9
;  CURRENT APPLICATION NUMBER: US/09/439,313
;  CURRENT FILING DATE:  1999-11-12
;  NUMBER OF SEQ ID NOS: 575
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 334
;   LENGTH: 2417
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-439-313-334

  Query Match             3.7%;  Score 36.6;  DB 4;  Length 2417;
  Best Local Similarity   58.9%;  Pred. No. 0.054;
  Matches   63;  Conservative    0;  Mismatches   44;  Indels    0;  Gaps    0;

Qy     783 AGGAAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGACAGAGGAGGAATT 842
           |||| |  || || ||   ||| |   | || ||||    ||||   | | ||||||| |
Db    2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAATCATTACAGCCTTCATCCTGGGGAGGAACT 2113

Qy     843 TGGGGTTTGGTCCCAGTCCATGAAGTGGCACAGTCAGAATAAAAGGT 889
            ||||  |||| |  |  ||   ||  || |||| ||  | | || |
Db    2114 GGGGGCCTGGTTCTGGGTCAGAGAGCAGCCCAGTGAGGGTGAGAGCT 2160


RESULT 4
US-09-352-616A-334
; Sequence 334, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
;  APPLICANT:  Dillon, Davin C.
;  APPLICANT:  Harlocker, Susan Louise
;  APPLICANT:  Jiang, Yuqui
;  APPLICANT:  Xu, Jiangchun
;  APPLICANT:  Mitcham, Jennifer Lynn
;  TITLE OF INVENTION:  COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
;  TITLE OF INVENTION:  OF PROSTATE CANCER AND METHODS FOR THEIR USE
;  FILE REFERENCE:  210121.427C8
;  CURRENT APPLICATION NUMBER: US/09/352,616A
;  CURRENT FILING DATE:  1999-07-13
;  NUMBER OF SEQ ID NOS:  472
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 334
;   LENGTH: 2417
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-352-616A-334

  Query Match             3.7%;  Score 36.6;  DB 4;  Length 2417;
  Best Local Similarity   58.9%;  Pred. No. 0.054;
  Matches   63;  Conservative    0;  Mismatches   44;  Indels    0;  Gaps    0;

Qy     783 AGGAAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGACAGAGGAGGAATT 842
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GenCore version 5.1.3

OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 16:30:47 ; Search time 28.6732 Seconds
(without alignments)
10706.274 Million cell updates/sec

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Perfect score: 1001
Sequence: 1 agcaacctgtaagttcgggc.....ggccctgctgcatggtgacc 1001

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	46	4.6	7218	1	US-08-232-463-14	Sequence 14, Appl
	2	36.6	3.7	2417	4	US-09-605-785-334	Sequence 334, App
	3	36.6	3.7	2417	4	US-09-439-313-334	Sequence 334, App
	4	36.6	3.7	2417	4	US-09-352-616A-334	Sequence 334, App
	5	36.6	3.7	2417	4	US-09-232-149A-334	Sequence 334, App
	6	36.6	3.7	3674	4	US-09-605-785-698	Sequence 698, App
c	7	36.6	3.7	35081	2	US-08-752-760A-1	Sequence 1, Appli
c	8	33	3.3	593	4	US-08-998-416-230	Sequence 230, App
	9	33	3.3	7218	1	US-08-232-463-14	Sequence 14, Appl
	10	32.8	3.3	3222	4	US-09-206-942-48	Sequence 48, Appl
	11	32.8	3.3	3240	4	US-09-206-942-46	Sequence 46, Appl
c	12	32.6	3.3	1776	1	US-08-889-402-3	Sequence 3, Appli
c	13	32.6	3.3	1776	1	US-08-889-402-5	Sequence 5, Appli
	14	31.6	3.2	3651	2	US-08-790-374-1	Sequence 1, Appli
	15	31	3.1	279	4	US-09-276-533A-5	Sequence 5, Appli
c	16	31	3.1	4190	3	US-08-938-291A-2	Sequence 2, Appli
	17	30.8	3.1	1030	4	US-09-073-898-144	Sequence 144, App
	18	30.8	3.1	1278	4	US-08-960-780-26	Sequence 26, Appl
	19	30.8	3.1	1278	4	US-09-073-898-26	Sequence 26, Appl
	20	30.8	3.1	3645	2	US-08-663-112-1	Sequence 1, Appli
c	21	30.6	3.1	483	1	US-08-644-664B-8	Sequence 8, Appli
c	22	30.6	3.1	483	2	US-08-761-277A-8	Sequence 8, Appli
c	23	30.6	3.1	483	2	US-08-715-808-15	Sequence 15, Appl
c	24	30.6	3.1	555	6	5225348-7	Patent No. 5225348
c	25	30.6	3.1	583	6	5225348-8	Patent No. 5225348
c	26	30.6	3.1	599	6	5225348-9	Patent No. 5225348
c	27	30.6	3.1	1451	1	US-08-644-664B-11	Sequence 11, Appl
c	28	30.6	3.1	1451	2	US-08-761-277A-11	Sequence 11, Appl
c	29	30.6	3.1	1451	4	US-08-848-760B-14	Sequence 14, Appl
c	30	30.6	3.1	1561	1	US-07-757-536B-1	Sequence 1, Appli
c	31	30.6	3.1	1561	6	5225348-4	Patent No. 5225348
	32	30.6	3.1	1886	1	US-07-980-526-1	Sequence 1, Appli
c	33	30.6	3.1	2834	1	US-08-471-251A-1	Sequence 1, Appli
c	34	30.6	3.1	4695	4	US-09-309-572-9	Sequence 9, Appli
c	35	30.6	3.1	4695	6	5225348-3	Patent No. 5225348
c	36	30.6	3.1	7054	4	US-09-299-141-3	Sequence 3, Appli
c	37	30.6	3.1	7405	4	US-09-299-141-2	Sequence 2, Appli
c	38	30.6	3.1	87350	3	US-08-781-891-79	Sequence 79, Appl
c	39	30.6	3.1	87543	4	US-09-791-211-3	Sequence 3, Appli
c	40	30.4	3.0	2426	3	US-09-028-327-2	Sequence 2, Appli
c	41	30.4	3.0	152331	3	US-09-128-155-16	Sequence 16, Appl
	42	30.4	3.0	176373	3	US-09-128-155-17	Sequence 17, Appl
c	43	30.2	3.0	2234	4	US-08-993-088A-8	Sequence 8, Appli
c	44	30.2	3.0	2234	4	US-08-993-424B-8	Sequence 8, Appli
	45	30.2	3.0	4724	1	US-08-404-665-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-F1s
US-08-232-463-14

Query Match 4.6%; Score 46; DB 1; Length 7218;

GenCore version 5.1.3

OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 16:30:47 ; Search time 28.6732 Seconds
(without alignments)
10706.274 Million cell updates/sec

Title: US-09-708-724A-3_COPY_70000_71000
Perfect score: 1001
Sequence: 1 ggagatggataaaccgtgtg.....ccaattcaggagtctatgtg 1001

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	103.2	10.3	254	4	US-09-112-096-8	Sequence 8, Appli
	2	38.4	3.8	7218	1	US-08-232-463-14	Sequence 14, Appl
c	3	37	3.7	963	1	US-08-362-739-1	Sequence 1, Appli
c	4	35.6	3.6	7218	1	US-08-232-463-14	Sequence 14, Appl
c	5	34	3.4	14602	1	US-08-597-236-1	Sequence 1, Appli
c	6	34	3.4	14602	1	US-08-746-682A-1	Sequence 1, Appli
c	7	33.6	3.4	500	3	US-09-141-000-2	Sequence 2, Appli
c	8	33	3.3	2430	4	US-08-845-258-3	Sequence 3, Appli
	9	33	3.3	2430	4	US-08-845-258-40	Sequence 40, Appl
c	10	33	3.3	2430	4	US-08-990-571-3	Sequence 3, Appli
	11	33	3.3	2430	4	US-08-990-571-40	Sequence 40, Appl
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	13	33	3.3	2430	4	US-08-723-142A-40	Sequence 40, Appl
c	14	33	3.3	2430	4	US-09-528-784A-3	Sequence 3, Appli
	15	33	3.3	2430	4	US-09-528-784A-40	Sequence 40, Appl
	16	32	3.2	10007	4	US-09-410-464-13	Sequence 13, Appl
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c	18	31.2	3.1	3264	3	US-08-870-529-8	Sequence 8, Appli
	19	31	3.1	3030	2	US-08-680-326-24	Sequence 24, Appl
	20	30.8	3.1	84495	4	US-09-797-906-3	Sequence 3, Appli
c	21	30.6	3.1	1269	4	US-09-134-001C-1211	Sequence 1211, Ap
	22	30.2	3.0	55827	4	US-09-813-133A-3	Sequence 3, Appli
c	23	30	3.0	645	4	US-08-543-246B-12	Sequence 12, Appl
c	24	30	3.0	699	4	US-08-543-246B-11	Sequence 11, Appl
c	25	30	3.0	1333	4	US-08-543-246B-15	Sequence 15, Appl
c	26	30	3.0	1387	4	US-08-543-246B-1	Sequence 1, Appli
c	27	29.8	3.0	729	4	US-08-998-416-258	Sequence 258, App
	28	29.8	3.0	976	1	US-08-125-628-7	Sequence 7, Appli
	29	29.8	3.0	976	1	US-08-125-628-8	Sequence 8, Appli
c	30	29.8	3.0	5656	4	US-09-410-464-5	Sequence 5, Appli
c	31	29.6	3.0	489	4	US-09-527-236A-10	Sequence 10, Appl
c	32	29.6	3.0	831	3	US-09-052-505-1	Sequence 1, Appli
c	33	29.6	3.0	831	4	US-09-259-473A-1	Sequence 1, Appli
	34	29.6	3.0	162450	4	US-09-345-882-1	Sequence 1, Appli
	35	29.4	2.9	1897	1	US-08-453-477-1	Sequence 1, Appli
	36	29.4	2.9	1897	1	US-08-453-461-1	Sequence 1, Appli
c	37	29.4	2.9	2968	4	US-09-252-509-2	Sequence 2, Appli
	38	29.2	2.9	1245	1	US-08-183-214-1	Sequence 1, Appli
	39	29.2	2.9	1617	2	US-08-540-118-2	Sequence 2, Appli
	40	29.2	2.9	1617	4	US-09-185-818-2	Sequence 2, Appli
c	41	29.2	2.9	4138	1	US-08-447-411-75	Sequence 75, Appl
c	42	29.2	2.9	4138	2	US-08-662-227-33	Sequence 33, Appl
c	43	29.2	2.9	4138	4	US-09-017-947-33	Sequence 33, Appl
c	44	29.2	2.9	4545	6	5183884-3	Patent No. 5183884
	45	29.2	2.9	4609	4	US-09-322-478-21	Sequence 21, Appl

ALIGNMENTS

RESULT 1
US-09-112-096-8/c
; Sequence 8, Application US/09112096
; Patent No. 6194152
; GENERAL INFORMATION:
; APPLICANT: Reiner Laus
; APPLICANT: Michael H. Shapero
; APPLICANT: Larisa Tsavaler
; TITLE OF INVENTION: Prostate Tumor Polynucleotide and
; TITLE OF INVENTION: Antigen Compositions
; FILE REFERENCE: 7636-0015.30
; CURRENT APPLICATION NUMBER: US/09/112,096
; CURRENT FILING DATE: 1998-07-09
; EARLIER APPLICATION NUMBER: 60/056,110
; EARLIER FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 254
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-112-096-8

Query Match 10.3%; Score 103.2; DB 4; Length 254;
Best Local Similarity 77.8%; Pred. No. 3.6e-26;
Matches 123; Conservative 1; Mismatches 34; Indels 0; Gaps 0;

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Qy      61 GAGGGATACATGGATCCCAACTACAGGCCCAGCTCCTCCAGTATGAGCCATGAGCCAGTT 120
           ||||||  |||||||||||||| |  | ||    ||| ||:|||||| |||||| ||||||
Db      99 GAGGGACCCATGGATCCCAACCATGGACCTGTTTCCCCCWGTATGAACCATGAACCAGTT 40

Qy     121 GAATCTGAATGTGAAGATGGAATGAAGACCGACGAGAG 158
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RESULT 2
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52

```
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,463
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/935,313
;      FILING DATE:
;      APPLICATION NUMBER:  EP 91 114 300.6
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/114 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  7218 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      CLONE:  pTZgpt-F1s
US-08-232-463-14

  Query Match             3.8%;  Score 38.4;  DB 1;  Length 7218;
  Best Local Similarity   5.1%;  Pred. No. 0.017;
  Matches   21;  Conservative  208;  Mismatches  179;  Indels    0;  Gaps    0;

Qy     353 CCGGTAGTGTGATCATACTCTGAAGCAGCACTCCTCCTGAGATATATCATGATCAAGGAG 412
           | ||| | | || | | |  |     :  : ::::::::    : : :: :  ::
Db    1046 CAGGTCGAGGGAGCTTGCGATYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1105

Qy     413 CATCAGTACCAGGACCTCTAACTCCCCCTGACACAGAGCAATTAGACTCTCATAACAATG 472
           : ::  : ::    ::::  ::::::::  : :     :  ::   ::::: :  :  :
Db    1106 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1165

Qy     473 GTATCAATTATACCACTCCATTGGAGGGACTTCCTTTATGTGTCACCCAGGATACATTGC 532
           : ::  :: : :: :::: ::       :::::::: : : :: :::    : : :: :
Db    1166 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1225

Qy     533 TCAACTGCAGTTGCCTTGCAGTTTGATCCCAAGCATGGTTGAGTTACCATAAAAAAATTA 592
           ::  :: :  :: :::: :  :::  ::::   : :  ::   :: :: :       ::
Db    1226 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1285

Qy     593 TGTACCTATTAGACCTTAGCTTTATTAATATTACTTGTGTAGTTACTAATCACTCCTGGC 652
           : : ::: ::   ::::  :::: ::  : :: ::: : :  :: ::  :: ::::  :
Db    1286 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1345

Qy     653 CCCATCACCCAAATTGTACTGATTATACAGAATGGGCTCCCTTTGATAATTCTCACCCCC 712
           ::: :: :::   :: : ::  :: : :    :   :::::::  :  ::::: ::::
Db    1346 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1405

Qy     713 CTCCTTGGGCCCACTGTCTTGGCCCCTTAGCTAGACAATAGTCCATGT 760
           ::::::   ::: :: ::::  :::::: |    | | |  || || |
Db    1406 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYGTACCAAATTCTTCTATCT 1453


RESULT 3
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```
US-08-362-739-1/c
; Sequence 1, Application US/08362739
; Patent No. 5658757
;  GENERAL INFORMATION:
;    APPLICANT:  Haake, David A.
;    APPLICANT:  Blanco, David R.
;    APPLICANT:  Champion, Cheryl I.
;    APPLICANT:  Lovett, Michael A.
;    APPLICANT:  Miller, James N.
;    TITLE OF INVENTION:  CLONED Leptospira OUTER MEMBRANE PROTEIN
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Spensley Horn Jubas & Lubitz
;      STREET:  1880 Century Park East, Suite 500
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90067
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/362,739
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/040,747
;      FILING DATE:  31-MAR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wetherell, Jr. Ph.D., John R.,
;      REGISTRATION NUMBER:  31,678
;      REFERENCE/DOCKET NUMBER:  PD-2097
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 455-5100
;      TELEFAX:  (619) 455-5110
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  963 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  OMP L1
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..963
US-08-362-739-1

  Query Match             3.7%;  Score 37;  DB 1;  Length 963;
  Best Local Similarity   46.6%;  Pred. No. 0.013;
  Matches  118;  Conservative    0;  Mismatches  135;  Indels    0;  Gaps    0;

Qy     309 TCTGTGCAGAAGCAAAAACATATTGGGCATATTTTCCTAACCCACCGGTAGTGTGATCAT 368
           | | | ||  |  | || ||     | |   ||||   |  |||||| | | |  | |
Db     502 TGTCTACAATACTATAACCAGCGATGTCCGCTTTTGTAATACCACCGGAAATTTTTTGAG 443

Qy     369 ACTCTGAAGCAGCACTCCTCCTGAGATATATCATGATCAAGGAGCATCAGTACCAGGACC 428
             | |   ||||||   |||| || | |     |    |||  | ||  ||| | |
Db     442 TATATTCTGCAGCAACTCTCCAGAAAAAATATTTACCAAAGTCGGATTCGTAACCTACCA 383

Qy     429 TCTAACTCCCCCTGACACAGAGCAATTAGACTCTCATAACAATGGTATCAATTATACCAC 488
           || || | || | |||   |     || |  ||  |  || || |   |     |  | |
Db     382 TCAAATTTCCTCCGACCATGGCTCCTTTGGTGCTTCTCGCATTGATCAAACCGCCAGTAG 323

Qy     489 TCCATTGGAGGGACTTCCTTTATGTGTCACCCAGGATACATTGCTCAACTGCAGTTGCCT 548
           | |  | |||||   ||  ||   | ||| |  | ||   ||    |   |||  | |
Db     322 TTCTATCGAGGGTAATCAATTTATTTTCAGCGGGAATCGCTTTTCTAGGAGCAACTCCTA 263

Qy     549 TGCAGTTTGATCC 561
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Db    262 GATAATTTCCTTC 250


RESULT 4
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, F.
;    APPLICANT:  SCHEIFLINGER, F.
;    APPLICANT:  FALKNER, F. G.
;    TITLE OF INVENTION:  RECOMBINANT FOWLPOX VIRUS
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,463
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/935,313
;      FILING DATE:
;      APPLICATION NUMBER:  EP 91 114 300.6
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/114 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  7218 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      CLONE:  pTZgpt-Fls
US-08-232-463-14

  Query Match             3.6%;  Score 35.6;  DB 1;  Length 7218;
  Best Local Similarity   3.0%;  Pred. No. 0.16;
  Matches    8;  Conservative  151;  Mismatches  105;  Indels    0;  Gaps    0;

Qy      1 GGAGATGGATAAACCGTGTGAGTGCCCTCAAGTTGTGTGCGACCATGGAATGGGAGACTG 60
          ::::: ::: :::  : : ::: :     :::  : : : ::  : :::: :::::  :
Db   1316 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1257

Qy     61 GAGGGATACATGGATCCCAACTACAGGCCCAGCTCCTCCAGTATGAGCCATGAGCCAGTT 120
          :::::: : : :::    ::  : :::   ::       :: : :::  : :::  ::
Db   1256 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1197

Qy    121 GAATCTGAATGTGAAGATGGAATGAAGACCGACGAGAGTCACACTGACGTCAACCCTCAT 180
          :::   ::: : ::::: :::: :::::  :: :::::  : :  :: :  ::     :
Db   1196 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1137

Qy    181 AACATGGGGTCAGATCAAGAAAACCACACCAGAAGCTGAGAAACTGGTGTAGTGCCAGGG 240
          :: : ::::  :::  :::::::  : :  :::::  ::::::  :: : :: :  ::::
Db   1136 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1077

Qy    241 TCAGGCAAAAACCCCTGACTCCAT 264
          ::: ::::| | |   |||| |
Db   1076 RRRRRRRRRRATCGCAAGCTCCCT 1053


RESULT 5
US-08-597-236-1/c
; Sequence 1, Application US/08597236
; Patent No. 5733765
;  GENERAL INFORMATION:
;    APPLICANT:  STINGELE, Franscesca
;    APPLICANT:  MOLLET, Beat
;    TITLE OF INVENTION:  LACTIC BACTERIA PRODUCING
;    TITLE OF INVENTION:  EXOPOLYSACCHARIDES
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americans
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/597,236
;      FILING DATE:
;      CLASSIFICATION:  426
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 95201669.9
;      FILING DATE:  20-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fanucci A., Allan
;      REGISTRATION NUMBER:  30256
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14602 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  352..1803
;      OTHER INFORMATION:  /product= "epsA"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1807..2535
;      OTHER INFORMATION:  /product= "epsB"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  2547..3239
;      OTHER INFORMATION:  /product= "epsC"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  3249..3995
;      OTHER INFORMATION:  /product= "epsD"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  4051..4731
;      OTHER INFORMATION:  /product= "epsE"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  4898..5854
;      OTHER INFORMATION:  /product= "epsF"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  6425..7540
;      OTHER INFORMATION:  /product= "epsG"
;    FEATURE:
;      NAME/KEY:  CDS
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;       LOCATION:  7736..8212
;       OTHER INFORMATION:  /product= "epsH"
;     FEATURE:
;       NAME/KEY:  CDS
;       LOCATION:  8221..9192
;       OTHER INFORMATION:  /product= "epsI"
;     FEATURE:
;       NAME/KEY:  CDS
;       LOCATION:  9285..10364
;       OTHER INFORMATION:  /product= "epsJ"
;     FEATURE:
;       NAME/KEY:  CDS
;       LOCATION:  10392..11339
;       OTHER INFORMATION:  /product= "epsK"
;     FEATURE:
;       NAME/KEY:  misc_feature
;       LOCATION:  11302..12222
;       OTHER INFORMATION:  /product= "CDS (eps L) covering CDS
;       OTHER INFORMATION:  (eps k) on nucleotides 10392-11339"
;     FEATURE:
;       NAME/KEY:  CDS
;       LOCATION:  12233..13651
;       OTHER INFORMATION:  /product= "epsM"
;     FEATURE:
;       NAME/KEY:  misc_feature
;       LOCATION:  13732..14305
;       OTHER INFORMATION:  /function= "CDS on the
;       OTHER INFORMATION:  complementary strand"
;       OTHER INFORMATION:  /product= "orfz"
;     FEATURE:
;       NAME/KEY:  terminator
;       LOCATION:  230..252
;     FEATURE:
;       NAME/KEY:  promoter
;       LOCATION:  274..302
;     FEATURE:
;       NAME/KEY:  RBS
;       LOCATION:  340..345
US-08-597-236-1

  Query Match             3.4%;  Score 34;  DB 1;  Length 14602;
  Best Local Similarity   52.9%;  Pred. No. 0.95;
  Matches   73;  Conservative    0;  Mismatches   65;  Indels    0;  Gaps    0;

Qy     515 TCACCCAGGATACATTGCTCAACTGCAGTTGCCTTGCAGTTTGATCCCAAGCATGGTTGA 574
           || |||| ||| |||| |||   |||  |||| |   | |   |  | ||      |  |
Db     406 TCCCCCACGATCCATTACTCGTATGCTTTTGCTTACGATTCGTACGCGAACTCATATAAA 347

Qy     575 GTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATATTACTTGTGTAG 634
             |   | ||||||    |  ||  ||||   | |||   ||||||.|||.|| |   ||
Db     346 TTGCTCCTAAAAATTAAAATTAGGTATTCCCCATTATTATTATTATTATAACATTAATAC 287

Qy     635 TTACTAATCACTCCTGGC 652
             || ||  |   || |
Db     286 AACCTCATTTCAATTGTC 269


RESULT 6
US-08-746-682A-1/c
; Sequence 1, Application US/08746682A
; Patent No. 5786184
;  GENERAL INFORMATION:
;    APPLICANT:  STINGELE, Franscesca
;    APPLICANT:  MOLLET, Beat
;    TITLE OF INVENTION:  LACTIC BACTERIA PRODUCING
;    TITLE OF INVENTION:  EXOPOLYSACCHARIDES
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americans
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/746,682A
;      FILING DATE:  14-NOV-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/597,236
;      FILING DATE:  20-JUN-1995
;      APPLICATION NUMBER:  EP 95201669.9
;      FILING DATE:  20-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fanucci A., Allan
;      REGISTRATION NUMBER:  30256
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14602 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  352..1803
;      OTHER INFORMATION:  /product= "epsA"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1807..2535
;      OTHER INFORMATION:  /product= "epsB"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  2547..3239
;      OTHER INFORMATION:  /product= "epsC"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  3249..3995
;      OTHER INFORMATION:  /product= "epsD"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  4051..4731
;      OTHER INFORMATION:  /product= "epsE"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  4898..5854
;      OTHER INFORMATION:  /product= "epsF"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  6425..7540
;      OTHER INFORMATION:  /product= "epsG"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  7736..8212
;      OTHER INFORMATION:  /product= "epsH"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  8221..9192
;      OTHER INFORMATION:  /product= "epsI"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  9285..10364
;      OTHER INFORMATION:  /product= "epsJ"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  10392..11339
;      OTHER INFORMATION:  /product= "epsK"
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  11302..12222
;      OTHER INFORMATION:  /product= "CDS (eps L) covering CDS
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;      OTHER INFORMATION:  (eps k) on nucleotides 10392-11339"
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  12233..13651
;      OTHER INFORMATION:  /product= "epsM"
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  13732..14305
;      OTHER INFORMATION:  /function= "CDS on the
;      OTHER INFORMATION:  complementary strand"
;      OTHER INFORMATION:  /product= "orfz"
;    FEATURE:
;      NAME/KEY:  terminator
;      LOCATION:  230..252
;    FEATURE:
;      NAME/KEY:  promoter
;      LOCATION:  274..302
;    FEATURE:
;      NAME/KEY:  RBS
;      LOCATION:  340..345
US-08-746-682A-1

  Query Match             3.4%;  Score 34;  DB 1;  Length 14602;
  Best Local Similarity   52.9%;  Pred. No. 0.95;
  Matches   73;  Conservative    0;  Mismatches   65;  Indels    0;  Gaps    0;

Qy    515 TCACCCAGGATACATTGCTCAACTGCAGTTGCCTTGCAGTTTGATCCCAAGCATGGTTGA 574
          || |||| ||| |||| |||   |||  |||| |   | |   |  | ||      |  |
Db    406 TCCCCCACGATCCATTACTCGTATGCTTTTGCTTACGATTCGTACGCGAACTCATATAAA 347

Qy    575 GTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATATTACTTGTGTAG 634
          |   | ||||||    |  ||  ||||   | |||   |||||| ||| || |   ||
Db    346 TTGCTCCTAAAAATTAAAATTAGGTATTCCCCATTATTATTATTATAACATTAATAC 287

Qy    635 TTACTAATCACTCCTGGC 652
             || ||  |   || |
Db    286 AACCTCATTTCAATTGTC 269


RESULT 7
US-09-141-000-2/c
; Sequence 2, Application US/09141000
; Patent No. 6054295
; GENERAL INFORMATION:
;  APPLICANT: Chen, Fang
;  TITLE OF INVENTION: DNA MOLECULES ENCODING HUMAN NUCLEAR
;  TITLE OF INVENTION: RECEPTOR PROTEINS
;  FILE REFERENCE: 19999Y
;  CURRENT APPLICATION NUMBER: US/09/141,000
;  CURRENT FILING DATE: 1998-08-26
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
;   LENGTH: 500
;   TYPE: PRT
;   ORGANISM: Human
US-09-141-000-2

  Query Match             3.4%;  Score 33.6;  DB 3;  Length 500;
  Best Local Similarity   8.0%;  Pred. No. 0.13;
  Matches   23;  Conservative   90;  Mismatches  175;  Indels    0;  Gaps    0;

Qy    503 TTCCTTTATGTGTCACCCAGGATACATTGCTCAACTGCAGTTGCCTTGCAGTTTGATCCC 562
          |::         ::: ::|  :  : :    ::   ::  |: :   :     :: ::|
Db    475 TBS......A..DBD.YMATYD..S.B....YW...SHTYTWTMT..K....MDK.BMC. 416

Qy    563 AAGCATGGTTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATA 622
           :::: : :|          |   : |::   :  :   :       :   :   :  :
Db    415 .MBSR.D.BTMTTA.Y....A...MCAYW...DY.S..RH..T.D..H..M.BT..H..R 356

Qy    623 TTACTTGTGTAGTTACTAATCACTCCTGGCCCCATCACCCAAATTGTACTGATTATACAG 682
          : :: | | |:  :   : :: :  :::          |    :  :  :: |:: ::
Db    355 KSHSNT.T.TM.AB...M.BM.MMRYYB....TYR....CT.YSD..HK.RH.TRB.MHH 296

Qy    683 AATGGGCTCCCTTTGATAATTCTCACCCCCCTCCTTGGGCCCACTGTCTTGGCCCCTTAG 742
          :  : :: |     ::|    :: :| : :: |  :   |   :  ::|  |    |
Db    295 R..SYRB.C.....KWTS...SK.HC.S.SS.C..DMTWC..BB..YHT.HG.AA.TM.H 236

Qy    743 CTAGACAATAGTCCATGTTAATGGGAGACATTATTGACTGGGGTCCCT 790
          | :    : : ::   :  : :  |  ::|       : : :: :: :
Db    235 C..KC...KTR.MH..TB..RSB.MA..MMT..S...S.R.SS.SH.Y 188


RESULT 8
US-08-845-258-3/c
; Sequence 3, Application US/08845258
; Patent No. 6183976
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, Steven G.
;    APPLICANT:  Lodes, Michael J.
;    APPLICANT:  Houghton, Raymond
;    APPLICANT:  Sleath, Paul R.
;    TITLE OF INVENTION:  COMPOUNDS AND METHODS FOR THE DIAGNOSIS
;    TITLE OF INVENTION:  AND TREATMENT OF B. MICROTI INFECTION
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED AND BERRY
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/845,258
;      FILING DATE:  24-APR-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.426C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206)682-6031
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2430 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-845-258-3

  Query Match             3.3%;  Score 33;  DB 4;  Length 2430;
  Best Local Similarity   52.6%;  Pred. No. 0.63;
  Matches   72;  Conservative    0;  Mismatches   65;  Indels    0;  Gaps    0;

Qy    571 TTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATATTACTTGT 630
          ||  ||| | ||| ||  ||  |    ||||||   ||    || | |||| |||   |
Db   2087 TTATGTTTCTATAGAAGGATCTTTCTGCTATTATTTCTCTCATTGAATAATGATACAAAT 2028

Qy    631 GTAGTTACTAATCACTCCTGGCCCCATCACCCAAATTGTACTGATTATACAGAATGGGCT 690
          | |   | |||||||          || |   ||| | ||  || ||||| ||    |  |
Db   2027 GAATGGAATAATCACAAAATAAAATATGATAAAAAATATAAAGAATATACGGACATGAAT 1968

Qy    691 CCCTTTGATAATTCTCA 707
             || || ||| | |
Db   1967 GGTATTCATTATTATTA 1951


RESULT 9
US-08-845-258-40
; Sequence 40, Application US/08845258
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```
; Patent No. 6183976
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, Steven G.
;    APPLICANT:  Lodes, Michael J.
;    APPLICANT:  Houghton, Raymond
;    APPLICANT:  Sleath, Paul R.
;    TITLE OF INVENTION:  COMPOUNDS AND METHODS FOR THE DIAGNOSIS
;    TITLE OF INVENTION:  AND TREATMENT OF B. MICROTI INFECTION
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED AND BERRY
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/845,258
;      FILING DATE:  24-APR-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.426C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206)682-6031
;  INFORMATION FOR SEQ ID NO:  40:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2430 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-845-258-40

  Query Match             3.3%;  Score 33;  DB 4;  Length 2430;
  Best Local Similarity   52.6%;  Pred. No. 0.63;
  Matches   72;  Conservative    0;  Mismatches   65;  Indels    0;  Gaps    0;

Qy     571 TTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATATTACTTGT 630
           ||  ||| | ||| ||  ||  |    ||||||   ||    || | ||||  |||   |
Db     344 TTATGTTTCTATAGAAGGATCTTTCTGCTATTATTTCTCTCATTGAATAATGATACAAAT 403

Qy     631 GTAGTTACTAATCACTCCTGGCCCCATCACCCAAATTGTACTGATTATACAGAATGGGCT 690
           | |   | |||||||          || |   ||| | ||  || |||||  ||   |  |
Db     404 GAATGGAATAATCACAAAATAAAATATGATAAAAAATATAAAGAATATACGGACATGAAT 463

Qy     691 CCCTTTGATAATTCTCA 707
             || || ||| | |
Db     464 GGTATTCATTATTATTA 480


RESULT 10
US-08-990-571-3/c
; Sequence 3, Application US/08990571
; Patent No. 6214971
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, Steven G. et al.
;    TITLE OF INVENTION:  COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF B. M
;    NUMBER OF SEQUENCES:  79
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED AND BERRY
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/990,571
;      FILING DATE:  11-DEC-1997
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206)682-6031
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2430 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-990-571-3

  Query Match             3.3%;  Score 33;  DB 4;  Length 2430;
  Best Local Similarity   52.6%;  Pred. No. 0.63;
  Matches   72;  Conservative    0;  Mismatches   65;  Indels    0;  Gaps    0;

Qy     571 TTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATATTACTTGT 630
           ||  ||| | ||| ||  ||  |    ||||||   ||    || | ||||  |||   |
Db    2087 TTATGTTTCTATAGAAGGATCTTTCTGCTATTATTTCTCTCATTGAATAATGATACAAAT 2028

Qy     631 GTAGTTACTAATCACTCCTGGCCCCATCACCCAAATTGTACTGATTATACAGAATGGGCT 690
           | |   | |||||||          || |   ||| | ||  || |||||  ||   |  |
Db    2027 GAATGGAATAATCACAAAATAAAATATGATAAAAAATATAAAGAATATACGGACATGAAT 1968

Qy     691 CCCTTTGATAATTCTCA 707
             || || ||| | |
Db    1967 GGTATTCATTATTATTA 1951


RESULT 11
US-08-990-571-40
; Sequence 40, Application US/08990571
; Patent No. 6214971
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, Steven G. et al.
;    TITLE OF INVENTION:  COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF B.
;    NUMBER OF SEQUENCES:  79
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED AND BERRY
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/990,571
;      FILING DATE:  11-DEC-1997
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206)682-6031
;  INFORMATION FOR SEQ ID NO:  40:
;    SEQUENCE CHARACTERISTICS:
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;      LENGTH:  2430 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-990-571-40

  Query Match             3.3%;  Score 33;  DB 4;  Length 2430;
  Best Local Similarity   52.6%;  Pred. No. 0.63;
  Matches   72;  Conservative    0;  Mismatches   65;  Indels    0;  Gaps    0;

Qy     571 TTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATATTACTTGT 630
           ||. ||| | ||| ||  ||  |    ||||||   ||    || | |||| |||   |
Db     344 TTATGTTTCTATAGAAGGATCTTTCTGCTATTATTTCTCTCATTGAATAATGATACAAAT 403

Qy     631 GTAGTTACTAATCACTCCTGGCCCCATCACCCAAATTGTACTGATTATACAGAATGGGCT 690
           | |   | |||||||          || |   ||| | ||  || ||||| ||   |  |
Db     404 GAATGGAATAATCACAAAATAAAATATGATAAAAAATATAAAGAATATACGGACATGAAT 463

Qy     691 CCCTTTGATAATTCTCA 707
               || || ||| | |
Db     464 GGTATTCATTATTATTA 480


RESULT 12
US-08-723-142A-3/c
; Sequence 3, Application US/08723142A
; Patent No. 6306396
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, Steven G.
;    APPLICANT:  Lodes, Michael J.
;    APPLICANT:  Houghton, Raymond
;    APPLICANT:  Sleath, Paul R.
;    TITLE OF INVENTION:  COMPOUNDS AND METHODS FOR THE DIAGNOSIS
;    TITLE OF INVENTION:  AND TREATMENT OF B. MICROTI INFECTION
;    NUMBER OF SEQUENCES:  49
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED AND BERRY
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/723,142A
;      FILING DATE:  01-OCT-1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.426
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206)682-6031
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2430 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-723-142A-3

  Query Match             3.3%;  Score 33;  DB 4;  Length 2430;
  Best Local Similarity   52.6%;  Pred. No. 0.63;
  Matches   72;  Conservative    0;  Mismatches   65;  Indels    0;  Gaps    0;

Qy     571 TTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATATTACTTGT 630
           ||  ||| | ||| ||  ||  |    ||||||   ||    || | |||| |||   |
Db    2087 TTATGTTTCTATAGAAGGATCTTTCTGCTATTATTTCTCTCATTGAATAATGATACAAAT 2028

Qy     631 GTAGTTACTAATCACTCCTGGCCCCATCACCCAAATTGTACTGATTATACAGAATGGGCT 690
           | |   | |||||||          || |   ||| | ||  || ||||| ||   |  |
Db    2027 GAATGGAATAATCACAAAATAAAATATGATAAAAAATATAAAGAATATACGGACATGAAT 1968

Qy     691 CCCTTTGATAATTCTCA 707
               || || ||| | |
Db    1967 GGTATTCATTATTATTA 1951


RESULT 13
US-08-723-142A-40
; Sequence 40, Application US/08723142A
; Patent No. 6306396
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, Steven G.
;    APPLICANT:  Lodes, Michael J.
;    APPLICANT:  Houghton, Raymond
;    APPLICANT:  Sleath, Paul R.
;    TITLE OF INVENTION:  COMPOUNDS AND METHODS FOR THE DIAGNOSIS
;    TITLE OF INVENTION:  AND TREATMENT OF B. MICROTI INFECTION
;    NUMBER OF SEQUENCES:  49
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED AND BERRY
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/723,142A
;      FILING DATE:  01-OCT-1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.426
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206)682-6031
;  INFORMATION FOR SEQ ID NO:  40:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2430 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-723-142A-40

  Query Match             3.3%;  Score 33;  DB 4;  Length 2430;
  Best Local Similarity   52.6%;  Pred. No. 0.63;
  Matches   72;  Conservative    0;  Mismatches   65;  Indels    0;  Gaps    0;

Qy     571 TTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATATTACTTGT 630
           ||  ||| | ||| ||  ||  |    ||||||   ||    || | |||| |||   |
Db     344 TTATGTTTCTATAGAAGGATCTTTCTGCTATTATTTCTCTCATTGAATAATGATACAAAT 403

Qy     631 GTAGTTACTAATCACTCCTGGCCCCATCACCCAAATTGTACTGATTATACAGAATGGGCT 690
           | |   | |||||||          || |   ||| | ||  || ||||| ||   |  |
Db     404 GAATGGAATAATCACAAAATAAAATATGATAAAAAATATAAAGAATATACGGACATGAAT 463

Qy     691 CCCTTTGATAATTCTCA 707
               || || ||| | |
Db     464 GGTATTCATTATTATTA 480


RESULT 14
US-09-528-784A-3/c
; Sequence 3, Application US/09528784A
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; Patent No. 6451315
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF B. MICROTI INFECTION
; FILE REFERENCE: 210121.426C4
; CURRENT APPLICATION NUMBER: US/09/528,784A
; CURRENT FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 2430
; TYPE: DNA
; ORGANISM: Babesia microti
US-09-528-784A-3

Query Match 3.3%; Score 33; DB 4; Length 2430;
Best Local Similarity 52.6%; Pred. No. 0.63;
Matches 72; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

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Qy     571 TTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATATTACTTGT 630
           ||  ||| | ||| ||  ||  |    ||||||   ||    || | ||||  |||   |
Db    2087 TTATGTTTCTATAGAAGGATCTTTCTGCTATTATTTCTCTCATTGAATAATGATACAAAT 2028

Qy     631 GTAGTTACTAATCACTCCTGGCCCCATCACCCAAATTGTACTGATTATACAGAATGGGCT 690
           | |   | |||||||          || |   ||| | ||  || ||||| ||   |  |
Db    2027 GAATGGAATAATCACAAAATAAAATATGATAAAAAATATAAAGAATATACGGACATGAAT 1968

Qy     691 CCCTTTGATAATTCTCA 707
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Db    1967 GGTATTCATTATTATTA 1951
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RESULT 15
US-09-528-784A-40
; Sequence 40, Application US/09528784A
; Patent No. 6451315
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF B. MICROTI INFECTION
; FILE REFERENCE: 210121.426C4
; CURRENT APPLICATION NUMBER: US/09/528,784A
; CURRENT FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 40
; LENGTH: 2430
; TYPE: DNA
; ORGANISM: Babesia microti
US-09-528-784A-40

Query Match 3.3%; Score 33; DB 4; Length 2430;
Best Local Similarity 52.6%; Pred. No. 0.63;
Matches 72; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

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Qy     571 TTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAATATTACTTGT 630
           ||  ||| | ||| ||  ||  |    ||||||   ||    || | ||||  |||   |
Db     344 TTATGTTTCTATAGAAGGATCTTTCTGCTATTATTTCTCTCATTGAATAATGATACAAAT 403

Qy     631 GTAGTTACTAATCACTCCTGGCCCCATCACCCAAATTGTACTGATTATACAGAATGGGCT 690
           | |   | |||||||          || |   ||| | ||  || ||||| ||   |  |
Db     404 GAATGGAATAATCACAAAATAAAATATGATAAAAAATATAAAGAATATACGGACATGAAT 463

Qy     691 CCCTTTGATAATTCTCA 707
             || || ||| | |
Db     464 GGTATTCATTATTATTA 480
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Job time : 72.6732 secs

GenCore version 5.1.3

OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 16:30:47 ; Search time 28.6732 Seconds
(without alignments)
10706.274 Million cell updates/sec

Title: US-09-708-724A-3_COPY_10000_11000
Perfect score: 1001
Sequence: 1 caaaatttcagttaggaaga.....gcagcacataatgtatcatg 1001

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	68.2	6.8	168575	4	US-09-426-290-1	Sequence 1, Appli
	2	63.6	6.4	87350	3	US-08-781-891-79	Sequence 79, Appl
	3	63.6	6.4	87543	4	US-09-791-211-3	Sequence 3, Appli
	4	62.6	6.3	261	1	US-08-334-254-17	Sequence 17, Appl
	5	62.6	6.3	261	2	US-08-848-131-17	Sequence 17, Appl
	6	62.6	6.3	261	5	PCT-US95-14792-17	Sequence 17, Appl
c	7	59.8	6.0	663	1	US-07-624-313-3	Sequence 3, Appli
	8	59.8	6.0	3804	2	US-08-483-488-5	Sequence 5, Appli
c	9	59.2	5.9	55827	4	US-09-813-133A-3	Sequence 3, Appli
	10	58.8	5.9	169998	4	US-09-676-610B-24	Sequence 24, Appl
c	11	56.2	5.6	56516	2	US-08-996-306-1	Sequence 1, Appli
c	12	56.2	5.6	56516	4	US-09-338-907-1	Sequence 1, Appli
c	13	56.2	5.6	56516	4	US-09-218-207-1	Sequence 1, Appli
c	14	56.2	5.6	56520	4	US-09-338-907-179	Sequence 179, App
c	15	56.2	5.6	56520	4	US-09-218-207-179	Sequence 179, App
c	16	55	5.5	168575	4	US-09-426-290-1	Sequence 1, Appli
c	17	53.2	5.3	586	4	US-09-227-357-103	Sequence 103, App
c	18	52.2	5.2	72928	3	US-09-009-913-1	Sequence 1, Appli
	19	52	5.2	2768	1	US-08-321-478-1	Sequence 1, Appli
	20	52	5.2	2768	1	US-08-321-478-3	Sequence 3, Appli
	21	52	5.2	2768	1	US-08-321-478-5	Sequence 5, Appli
c	22	51.8	5.2	261	1	US-08-334-254-4	Sequence 4, Appli
c	23	51.8	5.2	261	2	US-08-848-131-4	Sequence 4, Appli
c	24	51.8	5.2	261	5	PCT-US95-14792-4	Sequence 4, Appli
c	25	51	5.1	112132	4	US-09-741-150-3	Sequence 3, Appli
	26	50.2	5.0	72928	3	US-09-009-913-1	Sequence 1, Appli
c	27	48.2	4.8	43795	3	US-08-742-185-101	Sequence 101, App
c	28	47.6	4.8	22067	4	US-09-820-001-3	Sequence 3, Appli
c	29	44	4.4	7218	1	US-08-232-463-14	Sequence 14, Appl
	30	43.2	4.3	17425	4	US-09-511-625B-5	Sequence 5, Appli
c	31	42.4	4.2	50000	4	US-09-146-053-4	Sequence 4, Appli
	32	40.4	4.0	5408	1	US-08-471-058-20	Sequence 20, Appl
	33	40.4	4.0	5408	3	US-08-471-057-20	Sequence 20, Appl
	34	40.4	4.0	70000	4	US-09-851-896-3	Sequence 3, Appli
c	35	40.2	4.0	565	4	US-09-385-982-431	Sequence 431, App
c	36	40.2	4.0	2193	4	US-09-427-261-2	Sequence 2, Appli
c	37	40.2	4.0	2193	4	US-09-427-261-3	Sequence 3, Appli
	38	39.6	4.0	1605	4	US-09-149-476-187	Sequence 187, App
	39	38.8	3.9	40000	4	US-09-780-049-18	Sequence 18, Appl
	40	38.4	3.8	3740	4	US-09-162-274A-6	Sequence 6, Appli
	41	38.4	3.8	6060	5	PCT-US96-09430-7	Sequence 7, Appli
c	42	38.2	3.8	17327	1	US-07-906-871-15	Sequence 15, Appl
	43	37.8	3.8	17327	1	US-07-906-871-15	Sequence 15, Appl
	44	37.6	3.8	1577	4	US-08-821-994-59	Sequence 59, Appl
	45	37.2	3.7	2202	4	US-09-465-558-59	Sequence 59, Appl

ALIGNMENTS

RESULT 1
US-09-426-290-1
; Sequence 1, Application US/09426290
; Patent No. 6410712
; GENERAL INFORMATION:
; APPLICANT: Berglind Ran Olafsdottir
; APPLICANT: Jeffrey Gulcher
; TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
; FILE REFERENCE: 2345.2001-000
; CURRENT APPLICATION NUMBER: US/09/426,290
; CURRENT FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 168575
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21181)...(21403)
; NAME/KEY: CDS
; LOCATION: (95252)...(95430)
; NAME/KEY: CDS
; LOCATION: (101753)...(101996)
; NAME/KEY: CDS
; LOCATION: (110324)...(110439)
; NAME/KEY: CDS
; LOCATION: (124058)...(124278)
; NAME/KEY: CDS
; LOCATION: (127009)...(127130)
; NAME/KEY: CDS
; LOCATION: (128910)...(129139)
US-09-426-290-1

Query Match 6.8%; Score 68.2; DB 4; Length 168575;
Best Local Similarity 71.4%; Pred. No. 1e-08;
Matches 135; Conservative 0; Mismatches 43; Indels 11; Gaps 3;

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Qy      14 AGGAAGAATAAGTGCAAGAGATCTATTGTACTTGGTGACTACAGTT------AATGTATT 67
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Db   71504 AGGAAGAATACATTCAAGAGATCTATTGTACATGTTGAATATAGTTAGTAACAATATTTT 71563

Qy      68 GTGTTCT----TGACTAATACAGTAGATTTCGAGTGTTCTCACAACAAAAACATGATGGG 123
           || | ||    |  |||| | |||||||||  ||||||  |    ||||||||  ||||
Db   71564 GTATCCTCAAATTGCTAAGAGAGTAGATTTTAAGTGTTTTTGACACAAAAAC-TGATAAT 71622

Qy     124 TATGTGAGGTAATGCATATGCAAACTAGCTTGGGTTAACCATTCCACAATATGTGTGTAT 183
           |||||||||||| ||| |   || |||||    ||| ||||||||||| | |   | |
Db   71623 TATGTGAGGTAATACATTTTTTAATTAGCTCCCTTTAGCCATTCCACAATGTATACATCT 71682
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Qy     184 TTCAAAACA 192
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Db   71683 TTTAAAACA 71691


RESULT 2
US-08-781-891-79
; Sequence 79, Application US/08781891
; Patent No. 6090620
;  GENERAL INFORMATION:
;     APPLICANT:  Fu, Ying-Hui
;     APPLICANT:  Yu, Chang-En
;     APPLICANT:  Oshima, Junko
;     APPLICANT:  Mulligan, John T.
;     APPLICANT:  Schellenberg, Gerald D.
;     TITLE OF INVENTION:  GENE AND GENE PRODUCTS RELATED TO
;     TITLE OF INVENTION:  WERNER'S SYNDROME
;     NUMBER OF SEQUENCES:  209
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  SEED and BERRY LLP
;       STREET:  6300 Columbia Center, 701 Fifth Avenue
;       CITY:  Seattle
;       STATE:  Washington
;       COUNTRY:  USA
;       ZIP:  98104-7092
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/781,891
;       FILING DATE:  27-DEC-1996
;       CLASSIFICATION:  800
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  No. 6090620tenburg Ph.D., Carol
;       REGISTRATION NUMBER:  39,317
;       REFERENCE/DOCKET NUMBER:  240052.419
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (206) 622-4900
;       TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  79:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  87350 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-781-891-79

  Query Match             6.4%;  Score 63.6;  DB 3;  Length 87350;
  Best Local Similarity   67.2%;  Pred. No. 1.5e-07;
  Matches   90;  Conservative    0;  Mismatches   44;  Indels    0;  Gaps    0;

Qy     298 AGGAAATAAGGATACAAATGTGCACACAGAGAGAAATGGCCACATGAGGACACAATGAGA 357
           || | | |     ||| |    || ||| |||| || |||    ||||||||||  ||||
Db   72411 AGAAGAGATTAGGACAGAGACACAGACACAGAGGAAAGGCTGAGTGAGGACACAGGGAGA 72470

Qy     358 ATGTGGCTACTTACAAGCCTAGGAGAGAGGCCTCCGAGAAAACACACCCTACCCACACCT 417
           |    || |  | |||||| |||||||||||||| ||  ||||  |||||||  ||| |
Db   72471 AGACAGCCATCTGCAAGCCAAGGAGAGAGGCCTCAGAAGAAACCAACCCTACTGACATCC 72530

Qy     418 TGATGTTGGACTTC 431
           |||  |||| ||||
Db   72531 TGAGCTTGGGCTTC 72544


RESULT 3
US-09-791-211-3
; Sequence 3, Application US/09791211
; Patent No. 6448080
; GENERAL INFORMATION:
;  APPLICANT:  Donna T. Ward
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF WRN EXPRESSION
;  FILE REFERENCE:  RTS-0205
;  CURRENT APPLICATION NUMBER: US/09/791,211
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS:  90
; SEQ ID NO 3
;   LENGTH: 87543
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: 7421
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 7427
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 11609
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 12605
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 12742
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 29370
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 29422
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 29979
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 29980
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 29981
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 30136
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 30140
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 31205
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 31206
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 31592
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 33095
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 33160
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 34066
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 34072
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 36816
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 39020
;   OTHER INFORMATION: unknown
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;   NAME/KEY: unsure
;   LOCATION: 42164
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 42459
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 46808
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 46823
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 46826
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 47291
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 52786
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 52787
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 53384
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 54684
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 59215
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 59235
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 59242
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 63290
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 66614
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 68660
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 68697
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 68718
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 68733
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 68739
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 69785
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 79134
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 79198
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 86336
;   OTHER INFORMATION: unknown
;   OTHER INFORMATION:

US-09-791-211-3

  Query Match             6.4%;  Score 63.6;  DB 4;  Length 87543;
  Best Local Similarity   67.2%;  Pred. No. 1.5e-07;
  Matches   90;  Conservative    0;  Mismatches   44;  Indels    0;  Gaps    0;

Qy    298 AGGAAATAAGGATACAAATGTGCACACAGAGAGAAATGGCCACATGAGGACACAATGAGA 357
          || | | |     ||| |    || ||| |||| || |||    |||||||||| ||||
Db  72604 AGAAGAGATTAGGACAGAGACACAGACACAGAGGAAAGGCTGAGTGAGGACACAGGGAGA 72663

Qy    358 ATGTGGCTACTTACAAGCCTAGGAGAGAGGCCTCCGAGAAAACACACCCTACCCACACCT 417
          |    || |  | |||||| |||||||||||||| ||  ||||  |||||||  ||| |
Db  72664 AGACAGCCATCTGCAAGCCAAGGAGAGAGGCCTCAGAAGAAACCAACCCTACTGACATCC 72723

Qy    418 TGATGTTGGACTTC 431
          |||  |||| ||||
Db  72724 TGAGCTTGGGCTTC 72737


RESULT 4
US-08-334-254-17
; Sequence 17, Application US/08334254
; Patent No. 5723290
;  GENERAL INFORMATION:
;    APPLICANT:  James Eberwine, Marc Dichter, Kevin Miyashiro
;    TITLE OF INVENTION:  USE OF NEURITE LOCALIZED mRNAs FOR
;    TITLE OF INVENTION:  MEDICAL DIAGNOSIS AND THERAPEUTICS
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata, Esq.
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM 486
;      OPERATING SYSTEM:  WINDOWS FOR WORKGROUPS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/334,254
;      FILING DATE:  Herewith
;      CLASSIFICATION:  436
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  PENN-0028
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  261
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    ANTI-SENSE:  NO
US-08-334-254-17

  Query Match             6.3%;  Score 62.6;  DB 1;  Length 261;
  Best Local Similarity   60.3%;  Pred. No. 2.4e-08;
  Matches  120;  Conservative    0;  Mismatches   76;  Indels    3;  Gaps    1;

Qy    233 AAAAGTTTTAAAATGAGGACCTTAGGGTGGGTCCTAATCCAATCTAAGTGATGTCTCCAT 292
          ||  | | | | ||||||    ||| ||| | |||||||||   | | || ||||    |
Db     19 AATGGATGTNAGATGAGGCTACTAGAGTGAGCCCTAATCCAGAGTGACTGGTGTCCTTTT 78

Qy    293 GAAAGAGGAAATAAGGATACAAATGTGCACACAGAGAGAAATGGCCACATGAGGACACAA 352
            |  || |      |   | |    |||| | ||||  ||| |     |||||||||
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Db     79 ATGAAGGGGAGATTATA---ACAAAGACACAGACAGAGGGATGACTGTNAGAGGACACAG 135

Qy    353 TGAGAATGTGGCTACTTACAAGCCTAGGAGAGAGGCCTCCGAGAAAACACACCCTACCCA 412
          ||  | |||||    |||||| | ||||||||||||| |   |||| ||||| |  |
Db    136 AGAACAGGTGGCCGTCTACAAGGCAAGGAGAGAGGCCTTGGGAGAAACCAACCCTGCAGA 195

Qy    413 CACCTTGATGTTGGACTTC 431
          |||  || | | |||||||
Db    196 CACTGTGCTCTGGGACTTC 214


RESULT 5
US-08-848-131-17
; Sequence 17, Application US/08848131
; Patent No. 5958688
;  GENERAL INFORMATION:
;    APPLICANT:  James Eberwine, Marc Dichter, Kevin Miyashiro
;    TITLE OF INVENTION:  Characterization of mRNA Patterns
;    TITLE OF INVENTION:  in Neurites and Single Cells for Medical Diagnosis and
;    TITLE OF INVENTION:  Therapeutics
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata, Esq.
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM 486
;      OPERATING SYSTEM:  WINDOWS FOR WORKGROUPS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/848,131
;      FILING DATE:  Herewith
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/334,254
;      FILING DATE:  No. 5958688ember 3, 1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/14792
;      FILING DATE:  No. 5958688ember 3, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  PENN-00219
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  261
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    ANTI-SENSE:  NO
US-08-848-131-17

  Query Match             6.3%;  Score 62.6;  DB 2;  Length 261;
  Best Local Similarity   60.3%;  Pred. No. 2.4e-08;
  Matches  120;  Conservative    0;  Mismatches   76;  Indels    3;  Gaps    1;

Qy    233 AAAAGTTTTAAAATGAGGACCTTAGGGTGGGTCCTAATCCAATCTAAGTGATGTCTCCAT 292
          ||  | | | | ||||||    ||| ||| | |||||||||   | | || ||||    |
Db     19 AATGGATGTNAGATGAGGCTACTAGAGTGAGCCCTAATCCAGAGTGACTGGTGTCCTTTT 78

Qy    293 GAAAGAGGAAATAAGGATACAAATGTGCACACAGAGAGAAATGGCCACATGAGGACACAA 352
            |  || |      |   | |    |||| | ||||  ||| |     |||||||||
Db     79 ATGAAGGGGAGATTATA---ACAAAGACACAGACAGAGGGATGACTGTNAGAGGACACAG 135

Qy    353 TGAGAATGTGGCTACTTACAAGCCTAGGAGAGAGGCCTCCGAGAAAACACACCCTACCCA 412
          ||  | |||||    |||||| | ||||||||||||| |   |||| ||||| |  |
Db    136 AGAACAGGTGGCCGTCTACAAGGCAAGGAGAGAGGCCTTGGGAGAAACCAACCCTGCAGA 195

Qy    413 CACCTTGATGTTGGACTTC 431
          |||  || | | |||||||
Db    196 CACTGTGCTCTGGGACTTC 214


RESULT 6
PCT-US95-14792-17
; Sequence 17, Application PC/TUS9514792
;  GENERAL INFORMATION:
;    APPLICANT:  James Eberwine, Marc Dichter, Kevin Miyashiro
;    TITLE OF INVENTION:  USE OF NEURITE LOCALIZED mRNAs FOR
;    TITLE OF INVENTION:  MEDICAL DIAGNOSIS AND THERAPEUTICS
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata, Esq.
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM 486
;      OPERATING SYSTEM:  WINDOWS FOR WORKGROUPS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/14792
;      FILING DATE:  Herewith
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  PENN-0028
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  261
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    ANTI-SENSE:  NO
PCT-US95-14792-17

  Query Match             6.3%;  Score 62.6;  DB 5;  Length 261;
  Best Local Similarity   60.3%;  Pred. No. 2.4e-08;
  Matches  120;  Conservative    0;  Mismatches   76;  Indels    3;  Gaps    1;

Qy    233 AAAAGTTTTAAAATGAGGACCTTAGGGTGGGTCCTAATCCAATCTAAGTGATGTCTCCAT 292
          ||  | | | | ||||||    ||| ||| | |||||||||   | | || ||||    |
Db     19 AATGGATGTNAGATGAGGCTACTAGAGTGAGCCCTAATCCAGAGTGACTGGTGTCCTTTT 78

Qy    293 GAAAGAGGAAATAAGGATACAAATGTGCACACAGAGAGAAATGGCCACATGAGGACACAA 352
            |  || |      |   | |    |||| | ||||  ||| |     |||||||||
Db     79 ATGAAGGGGAGATTATA---ACAAAGACACAGACAGAGGGATGACTGTNAGAGGACACAG 135

Qy    353 TGAGAATGTGGCTACTTACAAGCCTAGGAGAGAGGCCTCCGAGAAAACACACCCTACCCA 412
          ||  | |||||    |||||| | ||||||||||||| |   |||| ||||| |  |
Db    136 AGAACAGGTGGCCGTCTACAAGGCAAGGAGAGAGGCCTTGGGAGAAACCAACCCTGCAGA 195

Qy    413 CACCTTGATGTTGGACTTC 431
          |||  || | | |||||||
Db    196 CACTGTGCTCTGGGACTTC 214


RESULT 7
US-07-624-313-3/c
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; Sequence 3, Application US/07624313
; Patent No. 5250411
; GENERAL INFORMATION:
;   APPLICANT:  Ayyanathan, K.
;   APPLICANT:  Bhat, P.
;   APPLICANT:  Datta, S.
;   APPLICANT:  Francis, V.S.N.K.
;   APPLICANT:  Padmanaban, G.
;   APPLICANT:  Srinivasa, H.
;   TITLE OF INVENTION:  NEW ANALYSIS METHOD
;   NUMBER OF SEQUENCES:  3
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  White & Case
;     STREET:  1155 Avenue of the Americas
;     CITY:  New York
;     STATE:  New York
;     COUNTRY:  USA
;     ZIP:  10036-2787
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/07/624,313
;     FILING DATE:  19901204
;     CLASSIFICATION:  435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  SE 8904100-8
;     FILING DATE:  05-DEC-1989
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Ryan, John W.
;     REGISTRATION NUMBER:  33,771
;     REFERENCE/DOCKET NUMBER:  1103326-811
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  212-819-8515
;     TELEFAX:  212-354-8113
;  INFORMATION FOR SEQ ID NO:  3:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  663 base pairs
;     TYPE:  NUCLEIC ACID
;     STRANDEDNESS:  both
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  DNA (genomic)
;   HYPOTHETICAL:  NO
;   ANTI-SENSE:  NO
;   ORIGINAL SOURCE:
;     ORGANISM:  Plasmodium vivax
;   IMMEDIATE SOURCE:
;     CLONE:  pARC 1153
US-07-624-313-3

  Query Match             6.0%;  Score 59.8;  DB 1;  Length 663;
  Best Local Similarity   66.7%;  Pred. No. 2.1e-07;
  Matches  138;  Conservative    0;  Mismatches   52;  Indels   17;  Gaps    3;

Qy      1 CAAAATTTCAGTTAGGAAGAATAAGTGCAAGAGATCTATTGTACTTGGTGACTACAGT-- 58
          ||||||| | |||||| |||||||| ||| | |  ||||||||   | |   ||  |
Db    501 CAAAATTATACTTAGGAGGAATAAGTTCAAAAAACATATTGTACAATGAGGTGACCATAG 442

Qy     59 -------TAATGTATTGTGTTCTTGA------CTAATACAGTAGATTTCGAGTGTTCTCA 105
                 ||||| || | | |||||      |||| | |||||||| |  ||| |||||
Db    441 TTAATAACAATGTTTTATATACTTGAAAATTGCTAAAAGAGTAGATTGCAGGTGCTCTCA 382

Qy    106 CAACAAAAACATGATGGGTATGTGAGGTAATGCATATGCAAACTAGCTTGGGTTAACCAT 165
          | ||||||| ||  ||  |||||||||||||   ||||  || ||||||   ||| ||||
Db    381 CCACAAAAAAAT--TGATTATGTGAGGTAATATGTATGTTAATTAGCTTAATTTAGCCAT 324

Qy    166 TCCACAATATGTGTGTATTTCAAAACA 192
          ||  |||| | |   ||| |||||| |
Db    323 TCTGCAATGTATACATATATCAAAATA 297
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RESULT 8
US-08-483-488-5
; Sequence 5, Application US/08483488
; Patent No. 5853985
; GENERAL INFORMATION:
;   APPLICANT:  Salbaum, Johannes; Masters, Colin;
;   APPLICANT:  Beyreuther, Konrad
;   TITLE OF INVENTION:  Promoter of the Gene for the
;   TITLE OF INVENTION:  Human Precusor of the Alzheimer's
;   TITLE OF INVENTION:  Disease and its Usé
;   NUMBER OF SEQUENCES:  5
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  SPRUNG HORN KRAMER & WOODS
;     STREET:  660 White Plains Road
;     CITY:  Tarrytown
;     STATE:  New York
;     COUNTRY:  U.S.A.
;     ZIP:  10591-5144
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Diskette, 3.50 inch, 1.44MB
;     MEDIUM TYPE:  storage
;     COMPUTER:  NEC Powermate SX/20
;     OPERATING SYSTEM:  DOS
;     SOFTWARE:  WordPerfect 5.1
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/483,488
;     FILING DATE:  07-JUN-1995
;     CLASSIFICATION:  536
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/325,745
;     FILING DATE:  19-OCT-1994
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/153,546
;     FILING DATE:  16-NOV-1993
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/901,330
;     FILING DATE:  19-JUN-1992
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/393,360
;     FILING DATE:  14-AUG-1989
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/385,758
;     FILING DATE:  26-AUG-1989
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  UK 8820450.8
;     FILING DATE:  30-AUG-1988
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Kurt G. Briscoe
;     REGISTRATION NUMBER:  33,141
;     REFERENCE/DOCKET NUMBER:  MTI 212.6-KGB
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  (914) 332-1700
;     TELEFAX:  (914) 332-1844
;     TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  3804 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
US-08-483-488-5

  Query Match             6.0%;  Score 59.8;  DB 2;  Length 3804;
  Best Local Similarity   71.2%;  Pred. No. 4.4e-07;
  Matches   79;  Conservative    0;  Mismatches   32;  Indels    0;  Gaps    0;

Qy    321 ACACAGAGAGAAATGGCCACATGAGGACACAATGAGAATGTGGCTACTTACAAGCCTAGG 380
          | ||| ||||  | | |||  |||| | |||  ||||| ||||| |  | ||||||| |||
Db     56 AGACACAGAGGGAAGACCATGTGAGAATACAGGGAGAAGGTGGCCATCTGCAAGCCAAGG 115

Qy    381 AGAGAGGCCTCCGAGAAAACACACCCTACCCACACCTTGATGTTGGACTTC 431
          |||||||||||  ||   |||  || |  ||  |||||| ||| |  ||||||
Db    116 AGAGAGGCCTCAGAAGTAACCAACTCAGCCAACACCTCGATTTCAGACTTC 166
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```
RESULT 9
US-09-813-133A-3/c
; Sequence 3, Application US/09813133A
; Patent No. 6455294
; GENERAL INFORMATION:
;  APPLICANT: GAN, Weiniu et al
;  TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
;  TITLE OF INVENTION:  NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
;  TITLE OF INVENTION:  USES THEREOF
;  FILE REFERENCE: CL001173
;  CURRENT APPLICATION NUMBER: US/09/813,133A
;  CURRENT FILING DATE:  2001-06-06
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 55827
;   TYPE: DNA
;   ORGANISM: Human
US-09-813-133A-3

  Query Match             5.9%;  Score 59.2;  DB 4;  Length 55827;
  Best Local Similarity   62.8%;  Pred. No. 2e-06;
  Matches  108;  Conservative    0;  Mismatches   63;  Indels    1;  Gaps    1;

Qy     261 GGGTCCTAATCCAATCTAAGTGATGTCTCCAT-GAAAGAGGAAATAAGGATACAAATGTG 319
           |||  |||||||||| | | || || |   || | || |   |   |   |   | ||
Db   45544 GGGCTCTAATCCAATGTGACTGGTGCCCTTATAGGAATAAAGAGAGACACCAGGGAGGTT 45485

Qy     320 CACACAGAGAGAAATGGCCACATGAGGACACAATGAGAATGTGGCTACTTACAAGCCTAG 379
             |||| ||| | ||||| ||||| |||| |||| | || |  |||||||| |
Db   45484 TGTGCAGAAAGAGAAGGCCATGTGAGGGCACAGAGAGAAGGCAGCCATCTACAAGCCAAT 45425

Qy     380 GAGAGAGGCCTCCGAGAAAACACACCCTACCCACACCTTGATGTTGGACTTC 431
           ||||||  |||| |  | | | ||| || |    |||||||| ||||||| |
Db   45424 GAGAGAATCCTCAGGAAGACCTCACTCTGCTGGTACCTTGATTTTGGACTCC 45373


RESULT 10
US-09-676-610B-24
; Sequence 24, Application US/09676610B
; Patent No. 6444465
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITION OF HER-1 EXPRESSION
;  FILE REFERENCE: RTS-0138
;  CURRENT APPLICATION NUMBER: US/09/676,610B
;  CURRENT FILING DATE:  2000-09-29
;  NUMBER OF SEQ ID NOS: 182
; SEQ ID NO 24
;   LENGTH: 169998
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: (1208)...(1472)
;   NAME/KEY: intron
;   LOCATION: (1473)...(124390)
;   NAME/KEY: exon
;   LOCATION: (124391)...(124544)
;   NAME/KEY: intron
;   LOCATION: (124545)...(125409)
;   NAME/KEY: exon
;   LOCATION: (125410)...(125595)
;   NAME/KEY: intron
;   LOCATION: (125596)...(128711)
;   NAME/KEY: exon
;   LOCATION: (128712)...(128848)
;   NAME/KEY: intron
;   LOCATION: (128849)...(133400)
;   NAME/KEY: exon
;   LOCATION: (133401)...(133469)
;   NAME/KEY: intron
;   LOCATION: (133470)...(134652)
;   NAME/KEY: exon
;   LOCATION: (134653)...(134773)
;   NAME/KEY: intron
;   LOCATION: (134774)...(136116)
;   NAME/KEY: exon
;   LOCATION: (136117)...(136261)
;   NAME/KEY: intron
;   LOCATION: (136262)...(137936)
;   NAME/KEY: exon
;   LOCATION: (137937)...(138053)
;   NAME/KEY: intron
;   LOCATION: (138054)...(138637)
;   NAME/KEY: exon
;   LOCATION: (138638)...(138766)
;   NAME/KEY: intron
;   LOCATION: (138767)...(138864)
;   NAME/KEY: exon
;   LOCATION: (138865)...(138940)
;   NAME/KEY: intron
;   LOCATION: (138941)...(139765)
;   NAME/KEY: exon
;   LOCATION: (139766)...(139860)
;   NAME/KEY: intron
;   LOCATION: (139861)...(142245)
;   NAME/KEY: exon
;   LOCATION: (142246)...(142445)
;   NAME/KEY: intron
;   LOCATION: (142446)...(143605)
;   NAME/KEY: exon
;   LOCATION: (143606)...(143738)
;   NAME/KEY: intron
;   LOCATION: (143739)...(145838)
;   NAME/KEY: exon
;   LOCATION: (145839)...(145931)
;   NAME/KEY: intron
;   LOCATION: (145932)...(147385)
;   NAME/KEY: exon
;   LOCATION: (147386)...(147544)
;   NAME/KEY: intron
;   LOCATION: (147545)...(153274)
;   NAME/KEY: exon
;   LOCATION: (153275)...(153321)
;   NAME/KEY: intron
;   LOCATION: (153322)...(155088)
;   NAME/KEY: exon
;   LOCATION: (155089)...(155231)
;   NAME/KEY: intron
;   LOCATION: (155232)...(156025)
;   NAME/KEY: exon
;   LOCATION: (156026)...(156151)
;   NAME/KEY: intron
;   LOCATION: (156152)...(156826)
;   NAME/KEY: exon
;   LOCATION: (156827)...(156928)
;   NAME/KEY: intron
;   LOCATION: (156929)...(163399)
;   NAME/KEY: exon
;   LOCATION: (163400)...(163586)
US-09-676-610B-24

  Query Match             5.9%;  Score 58.8;  DB 4;  Length 169998;
  Best Local Similarity   64.4%;  Pred. No. 4.2e-06;
  Matches  143;  Conservative    0;  Mismatches   62;  Indels   17;  Gaps    3;

Qy       8 TCAGTTAGGAAGAATAAGTGCAAGAGATCTATTGTACTTGGTGACTACAGT--------- 58
             | ||  |||| ||||||||  |||||||||||||| || |  ||   || ||
Db   62693 TTAGACAGGAGGAATAAGTTAAAGAGATCTATTGCACATCATGGTAACTGTAGTTAGTGA 62752

Qy      59 TAATGTATTGTGTTCTTGA------CTAATACAGTAGATTTCGAGTGTTCTCACAACAAA 112
```

```
           |||||||||| | | |||      |||| | |||||||||  |||||||||| |||
Db  62753 CAATGTATTGTATACATGAAAATTGCTAAGAGAGTAGATTTTAAGTGTTCTCACCACACC 62812

Qy    113 AACATGATGGGTATGTGAGGTAATGCATATGCAAACTAGCTTGGGTTAACCATTCCACAA 172
          || |  |  ||||||||  ||||| ||      || |||||||   || ||||||||||
Db  62813 AAAA--AAAGGTATGTGCAGTAATACAGTCATTAATTAGCTTGATGTAGCCATTCCACAA 62870

Qy    173 TATGTGTGTATTTCAAAACAGTACCATAAATGCAGACAATTT 214
          |   |   ||| ||||||||  |   |  || |    ||| |
Db  62871 TGGATACATATATCAAAACATCATGTTGTATACCATAAATAT 62912


RESULT 11
US-08-996-306-1/c
; Sequence 1, Application US/08996306
; Patent No. 5945522
;  GENERAL INFORMATION:
;    APPLICANT:  Cohen, Daniel
;    APPLICANT:  Chumakov, Ilya
;    APPLICANT:  Blumenfeld, Marta
;    APPLICANT:  Bougueleret, Lydie
;    TITLE OF INVENTION:  Prostate cancer gene
;    NUMBER OF SEQUENCES:  68
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson & Bear
;      STREET:  501 West Broadway
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92101-3505
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  Win95
;      SOFTWARE:  Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/996,306
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned A.
;      REGISTRATION NUMBER:  29,655
;      REFERENCE/DOCKET NUMBER:  GENSET.018A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  56516 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  DOUBLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  GENOMIC DNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    FEATURE:
;      NAME/KEY:  Promoter
;      LOCATION:  1629..1870
;      IDENTIFICATION METHOD:  Proscan
;    FEATURE:
;      NAME/KEY:  Potential ATG
;      LOCATION:  1998..2000
;    FEATURE:
;      NAME/KEY:  Exon 1
;      LOCATION:  2001..2216
;    FEATURE:
;      NAME/KEY:  ATG
;      LOCATION:  2031..2033
;    FEATURE:
;      NAME/KEY:  TYR phos
;      LOCATION:  11694..14332
;    FEATURE:
;      NAME/KEY:  SEQ ID42
;      LOCATION:  11930..11947
;    FEATURE:
;      NAME/KEY:  SEQ ID24
;      LOCATION:  12057..12103
;    FEATURE:
;      NAME/KEY:  SEQ ID51
;      LOCATION:  compl(12339..12358)
;    FEATURE:
;      NAME/KEY:  SEQ ID64
;      LOCATION:  13547..13564
;    FEATURE:
;      NAME/KEY:  SEQ ID58
;      LOCATION:  13657..13703
;    FEATURE:
;      NAME/KEY:  SEQ ID67
;      LOCATION:  compl(13962..13981)
;    FEATURE:
;      NAME/KEY:  Exon 2
;      LOCATION:  18196..18265
;    FEATURE:
;      NAME/KEY:  Exon 3
;      LOCATION:  23717..23832
;    FEATURE:
;      NAME/KEY:  Exon 4
;      LOCATION:  25571..25660
;    FEATURE:
;      NAME/KEY:  SEQ ID43
;      LOCATION:  34216..34234
;    FEATURE:
;      NAME/KEY:  SEQ ID25
;      LOCATION:  34469..34515
;    FEATURE:
;      NAME/KEY:  SEQ ID52
;      LOCATION:  compl(34625..34645)
;    FEATURE:
;      NAME/KEY:  Exon 5
;      LOCATION:  34669..34759
;    FEATURE:
;      NAME/KEY:  Exon 6
;      LOCATION:  40688..40846
;    FEATURE:
;      NAME/KEY:  Exon 7
;      LOCATION:  48070..48193
;    FEATURE:
;      NAME/KEY:  Exon 8
;      LOCATION:  50182..54523
;    FEATURE:
;      NAME/KEY:  SEQ ID65
;      LOCATION:  51149..51168
;    FEATURE:
;      NAME/KEY:  SEQ ID59
;      LOCATION:  51448..51494
;    FEATURE:
;      NAME/KEY:  SEQ ID68
;      LOCATION:  compl(51482..51499)
;    FEATURE:
;      NAME/KEY:  SEQ ID44
;      LOCATION:  51596..51613
;    FEATURE:
;      NAME/KEY:  SEQ ID26
;      LOCATION:  51612..51658
;    FEATURE:
;      NAME/KEY:  SEQ ID53
;      LOCATION:  compl(51996..52015)
;    FEATURE:
;      NAME/KEY:  polyAd signal
;      LOCATION:  54445..54450
US-08-996-306-1

  Query Match             5.6%;  Score 56.2;  DB 2;  Length 56516;
  Best Local Similarity   72.3%;  Pred. No. 1.4e-05;
  Matches   73;  Conservative    0;  Mismatches   28;  Indels    0;  Gaps    0;
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Qy    331 AAATGGCCACATGAGGACACAATGAGAATGTGGCTACTTACAAGCCTAGGAGAGAGGCCT 390
          |||   |||| ||||||||||   |||| |  |||   | |||||| ||||||||||||
Db  24908 AAAAAACCACCTGAGGACACAGGAAGAAGGATGCTGTCTGCAAGCCTGGGAGAGAGGCCT 24849

Qy    391 CCGAGAAAACACACCCTACCCACACCTTGATGTTGGACTTC 431
           |   |||| ||||| | |||||||||| |||||  ||
Db  24848 TGGGAGAAACTAACCCTGTCAACACCTTGATCTTGGATGTC 24808


RESULT 12
US-09-338-907-1/c
; Sequence 1, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 1
;   LENGTH: 56516
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: promoter
;   LOCATION: 1629..1870
;   OTHER INFORMATION: identification  method  Proscan
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1998..2000
;   OTHER INFORMATION: potential start codon
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 2001..2216
;   OTHER INFORMATION: exon1
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 2031..2033
;   OTHER INFORMATION: ATG
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 11694..14332
;   OTHER INFORMATION: Tyr  Phos
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 11930..11947
;   OTHER INFORMATION: upstream  amplification  primer  4-77  SEQ  ID42
;   FEATURE:
;   NAME/KEY: allele
;   LOCATION: 12057..12103
;   OTHER INFORMATION: polymorphic  fragment  4-77  SEQ  ID24
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 12339..12358
;   OTHER INFORMATION: downstream  amplification  primer  4-77  SEQ  ID51,  complement
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 13547..13564
;   OTHER INFORMATION: upstream  amplification  primer  4-73  SEQ  ID64
;   FEATURE:
;   NAME/KEY: allele
;   LOCATION: 13657..13703
;   OTHER INFORMATION: polymorphic  fragment  4-73  SEQ  ID58
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 13962..13981
;   OTHER INFORMATION: downstream  amplification  primer  4-73  SEQ  ID67,  complemen
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 18196..18265
;   OTHER INFORMATION: exon  2
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 23717..23832
;   OTHER INFORMATION: exon  3
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 25571..25660
;   OTHER INFORMATION: exon  4
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 34216..34234
;   OTHER INFORMATION: upstream  amplification  primer  99-217  SEQ  ID43
;   FEATURE:
;   NAME/KEY: allele
;   LOCATION: 34469..34515
;   OTHER INFORMATION: polymorphic  fragment  99-217  SEQ  ID25
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 34625..34645
;   OTHER INFORMATION: downstream  amplification  primer  99-217  SEQ  ID52,  complem
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 34669..34759
;   OTHER INFORMATION: exon  5
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 40688..40846
;   OTHER INFORMATION: exon  6
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 48070..48193
;   OTHER INFORMATION: exon  7
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 50182..54523
;   OTHER INFORMATION: exon  8
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 51149..51168
;   OTHER INFORMATION: upstream  amplification  primer  4-65  SEQ  ID65
;   FEATURE:
;   NAME/KEY: allele
;   LOCATION: 51448..51494
;   OTHER INFORMATION: polymorphic  fragment  4-65  SEQ  ID59
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 51482..51499
;   OTHER INFORMATION: downstream  amplification  primer  4-65  SEQ  ID68,  complemen
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 51596..51613
;   OTHER INFORMATION: upstream  amplification  primer  4-67  SEQ  ID44
;   FEATURE:
;   NAME/KEY: allele
;   LOCATION: 51612..51658
;   OTHER INFORMATION: polymorphic  fragment  4-67  SEQ  ID26
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 51996..52015
;   OTHER INFORMATION: downstream  amplification  primer  4-67  SEQ  ID53,  complemen
;   FEATURE:
;   NAME/KEY: polyA_signal
;   LOCATION: 54445..54450
;   OTHER INFORMATION: AATAAA
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US-09-338-907-1

  Query Match             5.6%;  Score 56.2;  DB 4;  Length 56516;
  Best Local Similarity   72.3%;  Pred. No. 1.4e-05;
  Matches   73;  Conservative    0;  Mismatches   28;  Indels    0;  Gaps    0;

Qy     331 AAATGGCCACATGAGGACACAATGAGAATGTGGCTACTTACAAGCCTAGGAGAGAGGCCT 390
           |||   |||| ||||||||||   |||| |  |||   | |||||| ||||||||||||
Db   24908 AAAAAACCACCTGAGGACACAGGAAGAAGGATGCTGTCTGCAAGCCTGGGAGAGAGGCCT 24849

Qy     391 CCGAGAAAACACACCCTACCCACACCTTGATGTTGGACTTC 431
             |   ||||  |||||  | |||||||||| |||||  ||
Db   24848 TGGGAGAAACTAACCCTGTCAACACCTTGATCTTGGATGTC 24808


RESULT 13
US-09-218-207-1/c
; Sequence 1, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 1
;   LENGTH: 56516
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: promoter
;   LOCATION: 1629..1870
;   OTHER INFORMATION: identification  method  Proscan
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1998..2000
;   OTHER INFORMATION: potential start codon
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 2001..2216
;   OTHER INFORMATION: exon1
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 2031..2033
;   OTHER INFORMATION: ATG
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 11694..14332
;   OTHER INFORMATION: Tyr  Phos
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 11930..11947
;   OTHER INFORMATION: upstream  amplification  primer  4-77  SEQ  ID42
;   FEATURE:
;   NAME/KEY: allele
;   LOCATION: 12057..12103
;   OTHER INFORMATION: polymorphic  fragment  4-77  SEQ  ID24
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 12339..12358
;   OTHER INFORMATION: downstream  amplification  primer  4-77  SEQ  ID51,  complement
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 13547..13564
;   OTHER INFORMATION: upstream  amplification  primer  4-73  SEQ  ID64
;   FEATURE:
;   NAME/KEY: allele
;   LOCATION: 13657..13703
;   OTHER INFORMATION: polymorphic  fragment  4-73  SEQ  ID58
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 13962..13981
;   OTHER INFORMATION: downstream  amplification  primer  4-73  SEQ  ID67,  complemen
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 18196..18265
;   OTHER INFORMATION: exon  2
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 23717..23832
;   OTHER INFORMATION: exon  3
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 25571..25660
;   OTHER INFORMATION: exon  4
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 34216..34234
;   OTHER INFORMATION: upstream  amplification  primer  99-217  SEQ  ID43
;   FEATURE:
;   NAME/KEY: allele
;   LOCATION: 34469..34515
;   OTHER INFORMATION: polymorphic  fragment  99-217  SEQ  ID25
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 34625..34645
;   OTHER INFORMATION: downstream  amplification  primer  99-217  SEQ  ID52,  complem
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 34669..34759
;   OTHER INFORMATION: exon  5
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 40688..40846
;   OTHER INFORMATION: exon  6
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 48070..48193
;   OTHER INFORMATION: exon  7
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: 50182..54523
;   OTHER INFORMATION: exon  8
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 51149..51168
;   OTHER INFORMATION: upstream  amplification  primer  4-65  SEQ  ID65
;   FEATURE:
;   NAME/KEY: allele
;   LOCATION: 51448..51494
;   OTHER INFORMATION: polymorphic  fragment  4-65  SEQ  ID59
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 51482..51499
;   OTHER INFORMATION: downstream  amplification  primer  4-65  SEQ  ID68,  complemen
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 51596..51613
;   OTHER INFORMATION: upstream  amplification  primer  4-67  SEQ  ID44
;   FEATURE:
;   NAME/KEY: allele
;   LOCATION: 51612..51658
;   OTHER INFORMATION: polymorphic  fragment  4-67  SEQ  ID26
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 51996..52015
;   OTHER INFORMATION: downstream  amplification  primer  4-67  SEQ  ID53,  complemen
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;   FEATURE:
;   NAME/KEY: polyA_signal
;   LOCATION: 54445..54450
;   OTHER INFORMATION: AATAAA
US-09-218-207-1

  Query Match             5.6%;  Score 56.2;  DB 4;  Length 56516;
  Best Local Similarity   72.3%;  Pred. No. 1.4e-05;
  Matches   73;  Conservative    0;  Mismatches   28;  Indels    0;  Gaps    0;

Qy     331 AAATGGCCACATGAGGACACAATGAGAATGTGGCTACTTACAAGCCTAGGAGAGAGGCCT 390
           |||   |||| ||||||||||   |||| |  |||   | ||||||| ||||||||||||
Db   24908 AAAAAACCACCTGAGGACACAGGAAGAAGGATGCTGTCTGCAAGCCTGGGAGAGAGGCCT 24849

Qy     391 CCGAGAAAACACACCCTACCCACACCTTGATGTTGGACTTC 431
             |   ||||  |||||  | |||||||||| |||||  ||
Db   24848 TGGGAGAAACTAACCCTGTCAACACCTTGATCTTGGATGTC 24808


RESULT 14
US-09-338-907-179/c
; Sequence 179, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
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;   OTHER INFORMATION: exon2
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Qy    391 CCGAGAAAACACACCCTACCCACACCTTGATGTTGGACTTC 431
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;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
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;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 179
;   LENGTH: 56520
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;   ORGANISM: Homo sapiens
;   FEATURE:
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;   FEATURE:
;   NAME/KEY: polyA_signal
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; OTHER INFORMATION: AATAAA
; FEATURE:
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; LOCATION: 1991..2008
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